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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 16:23:02 ; Search time 68.2713 Seconds  
(without alignments)  
5446.173 Million cell updates/sec

Title: US-09-477-082-1

Perfect score: 670

Sequence: 1 aagcgctccaagacacgatt.....ggggttaataaagcgcttt 670

Scoring table: OLIGO\_NUC

Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 839752

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database : Issued Patents\_NA.\*  
1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	15	2.2	19	3	US-08-860-038-5
2	15	2.2	19	4	US-09-580-923-5
3	15	2.2	20	4	US-09-844-521-54
4	15	2.2	24	2	US-09-122-230-12
5	15	2.2	29	4	US-09-559-308-15
6	15	2.2	36	4	US-09-463-380-3
7	15	2.2	36	4	US-09-463-339A-3
8	15	2.2	36	4	US-09-985-357A-3
9	15	2.2	36	4	US-09-113-692B-3
10	15	2.2	36	4	US-09-607-277A-3
11	15	2.2	42	2	US-08-194-981E-51
12	14	2.1	18	4	US-09-422-978-6899
13	14	2.1	20	3	US-08-940-250-15
14	14	2.1	20	3	US-09-517-467B-145
15	14	2.1	21	4	US-09-422-978-8188
16	14	2.1	23	2	US-08-327-832-10
17	14	2.1	23	2	US-08-828-584-10
18	14	2.1	29	4	US-09-559-308-18
19	14	2.1	33	3	US-08-605-430-82
20	14	2.1	37	1	US-08-424-663-1
21	14	2.1	37	2	US-08-872-446-1
22	14	2.1	37	4	US-09-280-270A-1
23	14	2.1	41	3	US-08-605-430-78
24	14	2.1	45	2	US-08-872-448-9
25	14	2.1	45	4	US-09-280-270A-9
26	14	2.1	47	4	US-09-422-978-3044
27	14	2.1	48	2	US-08-872-446-12

C 28	14	2.1	48	4	US-09-280-270A-12	Sequence 12, Appl
C 29	13	1.9	17	1	US-08-373-124A-1082	Sequence 1082, Ap
C 30	13	1.9	17	1	US-08-373-124A-1084	Sequence 1084, Ap
C 31	13	1.9	17	1	US-08-435-628-1084	Sequence 1082, Ap
C 32	13	1.9	17	1	US-08-435-628-1084	Sequence 1084, Ap
C 33	13	1.9	18	1	US-08-363-585-112	Sequence 112, App
C 34	13	1.9	18	4	US-09-422-978-5793	Sequence 5793, Ap
C 35	13	1.9	19	2	US-08-773-251-20	Sequence 20, Appl
C 36	13	1.9	19	2	US-08-890-980-52	Sequence 52, Appl
C 37	13	1.9	19	3	US-08-890-979-52	Sequence 52, Appl
C 38	13	1.9	19	3	US-09-032-894-52	Sequence 52, Appl
C 39	13	1.9	19	3	US-09-031-626-52	Sequence 52, Appl
C 40	13	1.9	20	2	US-09-134-566-2	Sequence 2, Appl
C 41	13	1.9	20	3	US-09-289-267-124	Sequence 124, App
C 42	13	1.9	20	4	US-09-009-816-15	Sequence 15, Appl
C 43	13	1.9	20	4	US-09-485-415-2	Sequence 2, Appli
C 44	13	1.9	20	4	US-09-198-452A-4538	Sequence 4538, Ap
C 45	13	1.9	21	1	US-08-424-663-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1  
US-08-860-038-5  
; Sequence 5, Application US/08860038  
; Patent No. 6287762  
; GENERAL INFORMATION:  
; APPLICANT: CROUZET, Joel  
; APPLICANT: SCHERMAN, Daniel  
; APPLICANT: WILS, Pierre  
; TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION  
; TITLE OF INVENTION: WITH AN IMMOBILIZED OLIGONUCLEOTIDE  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Rhone-Poulenc Rorer Inc.  
; STREET: 500 Arcola Road, Mailstop 3043  
; CITY: Collegeville  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19426  
; COMPUTER TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION NUMBER: US/08/860,038  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: FR 94/15162  
; FILING DATE: 16-DEC-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO FR95/01468  
; FILING DATE: 08-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Savitzky Esq., Martin F.  
; REGISTRATION NUMBER: 29,699  
; REFERENCE/DOCKET NUMBER: ST94090-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (610) 454-3816  
; TELEFAX: (610) 454-3808  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 19 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "Oligonucleotide"

US-08-860-038-5

Query Match 2.2%; Score 15; DB 3; Length 19;  
Best Local Similarity 100.0%; Pred. No. 4e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 206 GGGAGGGAGGAGG 220  
DB 3 GGGAGGGAGGAGG 17  
|||||

## RESULT 2

US-09-580-923-5  
; Sequence 5, Application US/09580923  
; Patent No. 6319672  
; GENERAL INFORMATION:  
; APPLICANT: Crouzet, Joel  
; APPLICANT: Scherman, Daniel  
; APPLICANT: Wils, Pierre  
; APPLICANT: Cameton, Beatrice  
; APPLICANT: Blanche, Francis  
; TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION WITH AN  
; TITLE OF INVENTION: IMMOBILIZED OLIGONUCLEOTIDE  
; FILE REFERENCE: 03804.0138-01  
; CURRENT FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 08/860,038  
; PRIOR FILING DATE: 1997-06-09  
; PRIOR APPLICATION NUMBER: PCT/FR95/01468  
; PRIOR FILING DATE: 1995-11-08  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 19  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:  
; OTHER INFORMATION: oligonucleotide  
US-09-580-923-5

Query Match 2.2%; Score 15; DB 4; Length 19;  
Best Local Similarity 100.0%; Pred. No. 4e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 206 GGGAGGGAGGAGG 220  
DB 3 GGGAGGGAGGAGG 17  
|||||

## RESULT 3

US-09-844-521-54  
; Sequence 54, Application US/09844521  
; Patent No. 6492172  
; GENERAL INFORMATION:  
; APPLICANT: C. Frank Bennett  
; APPLICANT: Harris Busch  
; APPLICANT: Jacqueline Wyatt  
; TITLE OF INVENTION: ANTISENSE MODULATION OF GU PROTEIN EXPRESSION  
; FILE REFERENCE: RTS-0163  
; CURRENT APPLICATION NUMBER: US/09/844,521  
; CURRENT FILING DATE: 2001-04-27  
; NUMBER OF SEQ ID NOS: 87  
; SEQ ID NO 54  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Antisense oligonucleotide  
US-09-844-521-54

Query Match 2.2%; Score 15; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 TTGCAGAAGGAACAC 33  
DB 2 TTGCAGAAGGAACAC 16  
|||||

## RESULT 4

US-09-122-230-12  
; Sequence 12, Application US/09122230A  
; Patent No. 5973228  
; GENERAL INFORMATION:  
; APPLICANT: Carlson, et al.  
; TITLE OF INVENTION: Coniferin Beta Glucosidase cDNA for Modifying Lignin  
; TITLE OF INVENTION: Composition in Plants  
; FILE REFERENCE: 50532  
; CURRENT APPLICATION NUMBER: US/09/122,230A  
; CURRENT FILING DATE: 1998-07-23  
; EARLIER APPLICATION NUMBER: U.S. 60/053,566  
; EARLIER FILING DATE: 1997-07-24  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 24  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: primer for the  
; OTHER INFORMATION: amplification of the CBG cDNA sequence  
US-09-122-230-12

Query Match 2.2%; Score 15; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 522 TTACCTGCGAGTTCC 536  
DB 9 TTACCTGCGAGTTCC 23  
|||||

## RESULT 5

US-09-559-306-15/c  
; Sequence 15, Application US/09559306  
; Patent No. 6642800  
; GENERAL INFORMATION:  
; APPLICANT: STRIZHKOV, BORIS  
; APPLICANT: TILLIB, SERGEI  
; APPLICANT: MICHAILOVICH, VLADIMIR  
; APPLICANT: MIRZABEKOV, ANDREI  
; TITLE OF INVENTION: PCR AMPLIFICATION ON MICROARRAYS OF GEL IMMOBILIZED  
; FILE REFERENCE: 21416-90459  
; CURRENT APPLICATION NUMBER: US/09/559,306  
; CURRENT FILING DATE: 2000-04-25  
; PRIOR APPLICATION NUMBER: 60/165,029  
; PRIOR FILING DATE: 1999-11-12  
; NUMBER OF SEQ ID NOS: 58  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 15  
; LENGTH: 29  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Primer  
US-09-559-306-15

Query Match 2.2%; Score 15; DB 4; Length 29;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 401 GTCCATGAATTGTCT 415  
DB 29 GTCCATGAATTGTCT 15  
|||||

RESULT 6  
US-09-463-380-3/C  
; Sequence 3, Application US/09463380  
; Patent No. 6391633  
; GENERAL INFORMATION:  
; APPLICANT: Anne STERN; Michael BRANDT; Konrad HONOLD; Johannes AUER; Hans KOLL  
; TITLE OF INVENTION: Preparation of erythropoietin by endogenous gene activation  
; FILE REFERENCE: HUBR 1151 PFF/MAS  
; CURRENT APPLICATION NUMBER: US/09/463,380  
; CURRENT FILING DATE: 2000-01-21  
; PRIOR APPLICATION NUMBER: PCT/EP98/04590  
; PRIOR FILING DATE: 1998-07-22  
; PRIOR APPLICATION NUMBER: US 09/113,692  
; PRIOR FILING DATE: 1998-07-10  
; PRIOR APPLICATION NUMBER: DE 19753681.1  
; PRIOR FILING DATE: 1997-12-03  
; PRIOR APPLICATION NUMBER: EP 97112640  
; PRIOR FILING DATE: 1997-07-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Wordperfect 6/7/8  
; SEQ ID NO 3  
; LENGTH: 36  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Nucleotide sequence of the primer used for preparing PCR Product  
US-09-463-380-3  
  
Query Match 2.2%; Score 15; DB 4; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 206 GGGAGGGAGGAGG 220  
Db 25 GGGAGGGAGGAGG 11  
|||||  
  
RESULT 7  
US-09-463-339A-3/C  
; Sequence 3, Application US/09463339A  
; Patent No. 6395484  
; GENERAL INFORMATION:  
; APPLICANT: Boehringer Mannheim GmbH  
; TITLE OF INVENTION: Identification of Human Cell Lines for the  
; Production of Human Proteins by Endogenous Gene Activation  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fulbright & Jaworski L.L.P.  
; STREET: 666 Fifth Avenue  
; CITY: New York City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10103  
; COMPUTER: IBM  
; MEDIUM TYPE: Diskette, 3.25 inch, 1.44mb  
; OPERATING SYSTEM: PC-DOS  
; SOFTWARE: Wordperfect  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/463,339A  
; FILING DATE: 30-May-2000  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/EP98/04584  
; FILING DATE: 22-Jul-1998  
; APPLICATION NUMBER: 97112640.4  
; FILING DATE: 23-Jul-1997  
; APPLICATION NUMBER: 97121073.7  
; FILING DATE: 01-Dec-1997  
; APPLICATION NUMBER: 09/113,692  
; FILING DATE: 10-Jul-1998  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mary Anne Schofield  
; REGISTRATION NUMBER: 36,669

; REFERENCE/DOCKET NUMBER: HUBR 1150 - PFF/MAS (09908988)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 662-0200  
; TELEFAX: (202) 662-4643  
; INFORMATION FOR SEQ ID NO 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 36 base pairs  
; TYPE: Nucleotide  
; STRANDEDNESS: single strand  
; TOPOLOGY: linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-463-339A-3  
  
Query Match 2.2%; Score 15; DB 4; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 206 GGGAGGGAGGAGG 220  
Db 25 GGGAGGGAGGAGG 11  
|||||  
  
RESULT 8  
US-09-985-357A-3/C  
; Sequence 3, Application US/09985357A  
; Patent No. 6544748  
; GENERAL INFORMATION:  
; APPLICANT: Anne STERN; Michael BRANDT; Konrad HONOLD; Johannes AUER; Hans KOLL  
; TITLE OF INVENTION: Preparation of erythropoietin by endogenous gene activation  
; FILE REFERENCE: HUBR 1151.1 CON PFF/MAS  
; CURRENT APPLICATION NUMBER: US/09/985,357A  
; CURRENT FILING DATE: 2001-11-02  
; PRIOR APPLICATION NUMBER: US 09/463,380  
; PRIOR FILING DATE: 2000-01-21  
; PRIOR APPLICATION NUMBER: PCT/EP98/04590  
; PRIOR FILING DATE: 1998-07-22  
; PRIOR APPLICATION NUMBER: US 09/113,692  
; PRIOR FILING DATE: 1998-07-10  
; PRIOR APPLICATION NUMBER: DE 19753681.1  
; PRIOR FILING DATE: 1997-12-03  
; PRIOR APPLICATION NUMBER: EP 97112640  
; PRIOR FILING DATE: 1997-07-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Wordperfect  
; SEQ ID NO 3  
; LENGTH: 36  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Nucleotide sequence of the primer used for preparing PCR Product  
US-09-985-357A-3  
  
Query Match 2.2%; Score 15; DB 4; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 206 GGGAGGGAGGAGG 220  
Db 25 GGGAGGGAGGAGG 11  
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RESULT 9  
US-09-113-692B-3/C  
; Sequence 3, Application US/09113692B  
; Patent No. 6548296  
; GENERAL INFORMATION:  
; APPLICANT: Stern, Anne  
; APPLICANT: Brandt, Michael  
; APPLICANT: Honold, Konrad  
; APPLICANT: Auer, Johannes  
; APPLICANT: Koll, Hans  
; APPLICANT: Franze, Reinhard  
; APPLICANT: Pessara, Ulrich

; TITLE OF INVENTION: Methods For Identifying Human Cell Lines Useful for  
; TITLE OF INVENTION: Endogenous Gene Activation, Isolated Human Cell Lines  
; TITLE OF INVENTION: Identified Thereby, And Uses Thereof  
; FILE REFERENCE: HuBr 1126  
; CURRENT APPLICATION NUMBER: US/09/113,692B  
; CURRENT FILING DATE: 1998-07-10  
; PRIOR APPLICATION NUMBER: EP/97 112 640  
; PRIOR FILING DATE: 1197-07-23  
; PRIOR APPLICATION NUMBER: EP/97 121 073  
; PRIOR FILING DATE: 1997-12-01  
; PRIOR APPLICATION NUMBER: EP/97 53 681  
; PRIOR FILING DATE: 1997-12-03  
; NUMBER OF SEQ ID NOS: 10  
; SEQ ID NO 3  
; LENGTH: 36  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
US-09-113-692B-3

Query Match 2.2%; Score 15; DB 4; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 206 GGGAGGGAGGAGG 220  
|||||  
Db 25 GGGAGGGAGGAGG 11

RESULT 10  
US-09-607-277A-3/c  
; Sequence 3, Application US/09607277A  
; Patent No. 6555373  
; GENERAL INFORMATION:  
; APPLICANT: Stern, Anne  
; APPLICANT: Brandt, Michael  
; APPLICANT: Honold, Konrad  
; APPLICANT: Auer, Johannes  
; APPLICANT: Koll, Hans  
; APPLICANT: Franze, Reinhard  
; APPLICANT: Pessara, Ulrich  
; TITLE OF INVENTION: Methods For Identifying Human Cell Lines Useful for  
; TITLE OF INVENTION: Endogenous Gene Activation, Isolated Human Cell Lines  
; TITLE OF INVENTION: Identified Thereby, And Uses Thereof  
; FILE REFERENCE: HuBr 1126.1  
; CURRENT APPLICATION NUMBER: US/09/607,277A  
; CURRENT FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: US 09/113,692  
; PRIOR FILING DATE: 1998-07-10  
; PRIOR APPLICATION NUMBER: EP/97 112 640  
; PRIOR FILING DATE: 1997-07-23  
; PRIOR APPLICATION NUMBER: EP/97 121 073  
; PRIOR FILING DATE: 1997-12-01  
; PRIOR APPLICATION NUMBER: EP/97 53 681  
; PRIOR FILING DATE: 1997-12-03  
; NUMBER OF SEQ ID NOS: 10  
; SEQ ID NO 3  
; LENGTH: 36  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
US-09-607-277A-3

Query Match 2.2%; Score 15; DB 4; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 206 GGGAGGGAGGAGG 220  
|||||  
Db 25 GGGAGGGAGGAGG 11

RESULT 11  
US-08-194-981E-51  
; Sequence 51, Application US/08194981E

; Patent No. 5886157  
; GENERAL INFORMATION:  
; APPLICANT: GUENGERICH, F. Peter  
; APPLICANT: GUO, Zuyu  
; APPLICANT: SANDHU, Punam  
; APPLICANT: GILLAM, Elizabeth M. J.  
; TITLE OF INVENTION: EXPRESSION AND PURIFICATION OF  
; TITLE OF INVENTION: HUMAN  
; TITLE OF INVENTION: CYTOCHROME P450  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
; STREET: Suite 1200, 127 Peachtree Street, NE  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30303-1811  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/194,981E  
; FILING DATE: February 10, 1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Elizabeth Selby  
; REGISTRATION NUMBER: 38,298  
; REFERENCE/DOCKET NUMBER: 22000.0022  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404) 688-0770  
; TELEFAX: (404) 688-9880  
; INFORMATION FOR SEQ ID NO: 51:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 42 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHEetical: NO  
; ANTI-SENSE: NO  
US-08-194-981E-51

Query Match 2.2%; Score 15; DB 2; Length 42;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 504 CTGCTTTAGGAGTAA 518  
|||||  
Db 17 CTGCTTTAGGAGTAA 31

RESULT 12

US-09-422-978-6699  
; Sequence 6699, Application US/09422978  
; Patent No. 6537751  
; GENERAL INFORMATION:  
; APPLICANT: Cohen, Daniel  
; APPLICANT: Blumenfeld, Marta  
; APPLICANT: Chumakov, Ilya  
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...  
; FILE REFERENCE: GENSET.020CP1  
; CURRENT APPLICATION NUMBER: US/09/422,978  
; CURRENT FILING DATE: 1999-10-20  
; EARLIER APPLICATION NUMBER: US 09/298,850  
; EARLIER FILING DATE: 1999-04-21  
; EARLIER APPLICATION NUMBER: US 60/109,732  
; EARLIER FILING DATE: 1998-11-23  
; EARLIER APPLICATION NUMBER: US 60/082,614  
; EARLIER FILING DATE: 1998-04-21  
; NUMBER OF SEQ ID NOS: 11796  
; SEQ ID NO 6699

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; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer 99-17254 for SEQ 2765,
US-09-422-978-6699

Query Match          2.1%; Score 14; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      614 TCCTCCTTTTATCT 627
DB      2 TCCTCCTTTTATCT 15

RESULT 13
US-08-940-250-15
; Sequence 15, Application US/08940250
; Patent No. 6001991
; GENERAL INFORMATION:
; APPLICANT: Nicholas Dean, Muthiah Manoharan
; TITLE OF INVENTION: Antisense Oligonucleotide Modulation
; TITLE OF INVENTION: of MDR P-Glycoprotein Gene Expression
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,250
; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION NUMBER: 08/731,199
; FILING DATE: 10/4/96
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0217
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 810-1454
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-08-940-250-15

Query Match          2.1%; Score 14; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      452 CTCTGTTTCCTTTAA 465
DB      1 CTCTGTTTCCTTTAA 14

RESULT 14
US-09-517-467B-145
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; Sequence 145, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
; APPLICANT: Ian Popoff
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PAPP EXPRESSION
; FILE REFERENCE: RTS-0150
; CURRENT APPLICATION NUMBER: US/09/517,467B
; CURRENT FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 09/517,467
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 145
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-467B-145

Query Match          2.1%; Score 14; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      530 CAGTTCCTTCTGTG 543
DB      7 CAGTTCCTTCTGTG 20

RESULT 15
US-09-422-978-8188
; Sequence 8188, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8188
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..21
; OTHER INFORMATION: downstream amplification primer 99-14250 for SEQ 323, in compleme
US-09-422-978-8188

Query Match          2.1%; Score 14; DB 4; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      129 AACGAGACCACCTTC 142
DB      2 AACGAGACCACCTTC 15

Search completed: September 16, 2004, 20:56:03
Job time : 71.2713 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 20:34:17 ; Search time 404.448 Seconds  
(without alignments)  
8361.486 Million cell updates/sec

Title: US-09-477-082-1

Perfect score: 670

Sequence: 1 aagcgctccaagacacgatt.....999ggttaataaagcgcttt 670

Scoring table: OLIGO\_NUC

Gapop 60.0 , Gapext 60.0

Searched: 3327077 seqs, 2523723180 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1870910

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

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3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*  
4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*  
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13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*  
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15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq.\*  
16: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq.\*  
17: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*  
18: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*  
19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	ID	Description
1	15	2.2	18	US-10-333-429-444
2	15	2.2	19	US-10-275-071-5
3	15	2.2	22	US-09-935-464-16
4	15	2.2	22	US-10-125-835-16
5	15	2.2	25	US-09-965-602-29
6	15	2.2	25	US-10-098-263B-1062
7	15	2.2	36	US-09-985-357A-3
8	15	2.2	36	US-10-112-755-3
9	15	2.2	36	US-10-353-767-3
10	14	2.1	17	US-10-338-777-231
11	14	2.1	18	US-10-349-143-6699
12	14	2.1	20	US-10-080-979-41
13	14	2.1	20	US-10-780-439-41
14	14	2.1	21	US-10-349-143-8188

15 14 2.1 25 15 US-10-098-263B-39416 Sequence 39416, A  
16 14 2.1 25 15 US-10-098-263B-103671 Sequence 103671,  
17 14 2.1 25 15 US-10-098-263B-127788 Sequence 127788,  
18 14 2.1 25 15 US-10-098-263B-130512 Sequence 130512,  
19 14 2.1 26 13 US-09-998-976-6 Sequence 6, Appli  
20 14 2.1 30 17 US-10-379-747-43 Sequence 43, Appli  
21 14 2.1 31 9 US-09-801-274-532 Sequence 532, Appl  
22 14 2.1 31 10 US-09-228-639-15 Sequence 15, Appl  
23 14 2.1 47 15 US-10-288-250-1 Sequence 1, Appli  
24 14 2.1 47 16 US-10-349-143-3044 Sequence 3044, Ap  
25 14 2.1 48 10 US-09-780-533A-6046 Sequence 6046, Ap  
26 13 1.9 14 9 US-09-840-243B-21 Sequence 21, Appl  
27 13 1.9 16 16 US-10-297-068-678 Sequence 678, App  
28 13 1.9 16 16 US-10-297-068-870 Sequence 870, App  
29 13 1.9 17 10 US-09-730-289B-928 Sequence 928, App  
30 13 1.9 17 10 US-09-780-533A-1282 Sequence 1282, Ap  
31 13 1.9 17 15 US-10-339-793-285 Sequence 285, App  
32 13 1.9 18 16 US-10-349-143-5793 Sequence 5793, Ap  
33 13 1.9 19 9 US-09-969-373-2699 Sequence 2699, Ap  
34 13 1.9 19 10 US-09-779-152-52 Sequence 52, Appl  
35 13 1.9 19 15 US-10-023-610-52 Sequence 52, Appl  
36 13 1.9 19 15 US-10-205-309-286 Sequence 286, App  
37 13 1.9 19 15 US-10-205-309-611 Sequence 611, App  
38 13 1.9 19 17 US-10-212-848-52 Sequence 52, Appl  
39 13 1.9 20 10 US-09-904-968A-43 Sequence 43, Appl  
40 13 1.9 20 13 US-10-262-839-301 Sequence 301, App  
41 13 1.9 20 13 US-10-027-632-177056 Sequence 177056,  
42 13 1.9 20 15 US-10-008-789-72 Sequence 72, Appl  
43 13 1.9 20 15 US-10-083-246A-72 Sequence 72, Appl  
44 13 1.9 20 15 US-10-278-089-2 Sequence 2, Appli  
45 13 1.9 20 16 US-10-027-632-177056 Sequence 177056,

#### ALIGNMENTS

RESULT 1  
US-10-333-429-444  
; Sequence 444, Application US/10333429  
; Publication No. US20040048265A1  
; GENERAL INFORMATION:  
; APPLICANT: GENSET  
; TITLE OF INVENTION: Obesity Associated Biallelic Marker Maps  
; FILE REFERENCE: G-083US02PCT  
; CURRENT APPLICATION NUMBER: US/10/333,429  
; CURRENT FILING DATE: 2003-01-17  
; PRIOR APPLICATION NUMBER: PCT/IB01/01477  
; PRIOR FILING DATE: 2001-06-28  
; PRIOR APPLICATION NUMBER: US 60/219,704  
; PRIOR FILING DATE: 2000-07-18  
; NUMBER OF SEQ ID NOS: 579  
; SOFTWARE: Patent.pm  
; SEQ ID NO 444  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; NAME/KEY: primer\_bind  
; LOCATION: 1..18  
; OTHER INFORMATION: downstream amplification primer 99-41727 for SEQ 102, in compleme  
US-10-333-429-444

Query Match 2.2%; Score 15; DB 13; Length 18;  
Best Local Similarity 100.0%; Pred. No. 2.4e+03;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 608 AGGTTCTCTCCCTTT 622

Db 1 AGGTTCTCTCCCTTT 15

RESULT 2

US-10-275-071-5





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/ FILE REFERENCE: 3118.1
/ CURRENT APPLICATION NUMBER: US/10/098,263B
/ CURRENT FILING DATE: 2003-01-08
/ PRIOR APPLICATION NUMBER: 60/276,759
/ PRIOR FILING DATE: 2001-03-16
/ NUMBER OF SEQ ID NOS: 131066
/ SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
/ SEQ ID NO 1062
/ LENGTH: 25
/ TYPE: DNA
/ ORGANISM: Homo sapien
US-10-098-263B-1062

Query Match          2.2%; Score 15; DB 15; Length 25;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      226 TCTGTGACTTCAGTG 240
Db      21 TCTGTGACTTCAGTG 7

RESULT 7
US-09-985-357A-3/c
/ Sequence 3, Application US/09985357A
/ Patent No. US20020110913A1
/ GENERAL INFORMATION:
/ APPLICANT: Anne STERN; Michael BRANDT; Konrad HONOLD; Johannes AUER; Hans KOLL
/ TITLE OF INVENTION: Preparation of erythropoietin by endogenous gene activation
/ FILE REFERENCE: HUBR 1151.1 CON PFF/MAS
/ CURRENT APPLICATION NUMBER: US/09/985,357A
/ CURRENT FILING DATE: 2001-11-02
/ PRIOR APPLICATION NUMBER: US 09/463,380
/ PRIOR FILING DATE: 2000-01-21
/ PRIOR APPLICATION NUMBER: PCT/EP98/04590
/ PRIOR FILING DATE: 1998-07-22
/ PRIOR APPLICATION NUMBER: US 09/113,692
/ PRIOR FILING DATE: 1998-07-10
/ PRIOR APPLICATION NUMBER: DE 19753681.1
/ PRIOR FILING DATE: 1997-12-03
/ NUMBER OF SEQ ID NOS: 17
/ SOFTWARE: Wordperfect
/ SEQ ID NO 3
/ LENGTH: 36
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Nucleotide sequence of the primer used for preparing PCR Product
US-09-985-357A-3

Query Match          2.2%; Score 15; DB 9; Length 36;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      206 GGGAGGGAGGAGGAGG 220
Db      25 GGGAGGGAGGAGGAGG 11

RESULT 8
US-10-112-755-3/c
/ Sequence 3, Application US/10112755
/ Publication No. US20020164792A1
/ GENERAL INFORMATION:
/ APPLICANT: Boehringer Mannheim GmbH
/ TITLE OF INVENTION: Identification of Human Cell Lines for the
/ Production of Human Proteins by Endogenous Gene
/ Activation
/ NUMBER OF SEQUENCES: 4
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Fulbright & Jaworski L.L.P.
```

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/ STREET: 666 Fifth Avenue
/ CITY: New York City
/ STATE: New York
/ COUNTRY: USA
/ ZIP: 10103
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.25 inch, 1.44mb
/ COMPUTER: IBM
/ OPERATING SYSTEM: PC-DOS
/ SOFTWARE: Wordperfect
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/112,755
/ FILING DATE: 02-Apr-2002
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/463,399A
/ FILING DATE: 30-May-2000
/ APPLICATION NUMBER: PCT/EP98/04584
/ FILING DATE: 22-Jul-1998
/ APPLICATION NUMBER: 97112640.4
/ FILING DATE: 23-Jul-1997
/ APPLICATION NUMBER: 97121073.7
/ FILING DATE: 01-Dec-1997
/ APPLICATION NUMBER: 09/113,692
/ FILING DATE: 10-Jul-1998
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mary Anne Schofield
/ REGISTRATION NUMBER: 36,689
/ REFERENCE/DOCKET NUMBER: HUBR 1150 - PFF/MAS (099089988)
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 662-0200
/ TELEFAX: (202) 662-4643
/ INFORMATION FOR SEQ ID NO: 3:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 36 base pairs
/ TYPE: Nucleotide
/ STRANDEDNESS: single strand
/ TOPOLOGY: linear
/ SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-112-755-3

Query Match          2.2%; Score 15; DB 14; Length 36;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      206 GGGAGGGAGGAGGAGG 220
Db      25 GGGAGGGAGGAGGAGG 11

RESULT 9
US-10-353-767-3/c
/ Sequence 3, Application US/10353767
/ Publication No. US20030166275A1
/ GENERAL INFORMATION:
/ APPLICANT: Anne STERN; Michael BRANDT; Konrad HONOLD; Johannes AUER; Hans
/ APPLICANT: KOLL
/ TITLE OF INVENTION: Preparation of erythropoietin by endogenous gene
/ FILE REFERENCE: HUBR 1151.1 CON PFF/MAS
/ CURRENT APPLICATION NUMBER: US/10/353,767
/ CURRENT FILING DATE: 2003-01-29
/ PRIOR APPLICATION NUMBER: US/09/985,357A
/ PRIOR FILING DATE: 2001-11-12
/ PRIOR APPLICATION NUMBER: US 09/463,380
/ PRIOR FILING DATE: 2000-01-21
/ PRIOR APPLICATION NUMBER: PCT/EP98/04590
/ PRIOR FILING DATE: 1998-07-22
/ PRIOR APPLICATION NUMBER: US 09/113,692
/ PRIOR FILING DATE: 1998-07-10
/ PRIOR APPLICATION NUMBER: DE 19753681.1
/ PRIOR FILING DATE: 1997-12-03
/ PRIOR APPLICATION NUMBER: EP 97112640
/ PRIOR FILING DATE: 1997-07-23
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; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Wordperfect
; SEQ ID NO 3
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Nucleotide sequence of the primer used for preparing
; OTHER INFORMATION: PCR Product 2
US-10-353-767-3

Query Match      2.2%; Score 15; DB 15; Length 36;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      206 GCGAGGAGGAGGAGG 220
DB      25 GCGAGGAGGAGGAGG 11

RESULT 10
US-10-338-777-231/c
; Sequence 231, Application US/10338777
; Publication No. US20030188343A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: United States Department of Agriculture
; APPLICANT: Bowen, Benjamin A
; APPLICANT: Haudenschild, Christian D
; APPLICANT: Buckler, Edward S
; TITLE OF INVENTION: Identification of Genes Associated with Growth in Plants
; FILE REFERENCE: 37-000510US
; CURRENT APPLICATION NUMBER: US/10/338,777
; CURRENT FILING DATE: 2003-01-07
; NUMBER OF SEQ ID NOS: 405
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 231
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-338-777-231

Query Match      2.1%; Score 14; DB 15; Length 17;
Best Local Similarity 100.0%; Pred. No. 8.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      528 TGCAGTTCCTCTG 541
DB      17 TGCAGTTCCTCTG 4

RESULT 11
US-10-349-143-6699
; Sequence 6699, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6699
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; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer 99-17254 for SEQ 2765,
US-10-349-143-6699

Query Match      2.1%; Score 14; DB 16; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      614 TCCTCCTTTTATCT 627
DB      2 TCCTCCTTTTATCT 15

RESULT 12
US-10-080-979-41
; Sequence 41, Application US/10080979
; Publication No. US20030191075A1
; GENERAL INFORMATION:
; APPLICANT: Cook, Philip Dan
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Bennett, Frank C.
; TITLE OF INVENTION: Oligonucleotide Conjugates For Hepatic Delivery
; FILE REFERENCE: Isis-5028
; CURRENT APPLICATION NUMBER: US/10/080,979
; CURRENT FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-10-080-979-41

Query Match      2.1%; Score 14; DB 15; Length 20;
Best Local Similarity 100.0%; Pred. No. 8.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      452 CTCGTTCCTTTTAA 465
DB      1 CTCGTTCCTTTTAA 14

RESULT 13
US-10-780-439-41
; Sequence 41, Application US/10780439
; Publication No. US20040142899A1
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip D.
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Bennett, C. Frank
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; ENHANCED BIOTABILITY AND ALTERED BIODISTRIBUTION OF
; OLIGONUCLEOTIDES IN MAMMALS
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cozen O'Connor
; STREET: 1900 Market Street
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/780,439
; FILING DATE: 17-Feb-2004
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Nguyen, Quan L.
; REGISTRATION NUMBER: 46,957
; REFERENCE/DOCKET NUMBER: ISIC0006-102
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-665-2000
; TELEFAX: 215-665-2013
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 41:
US-10-780-439-41

Query Match          2.1%; Score 14; DB 17; Length 20;
Best Local Similarity 100.0%; Pred. No. 8.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      452 CTCGTCTCCTTTAA 465
Db      1 CTCGTCTCCTTTAA 14

RESULT 14
US-10-349-143-8188
; Sequence 8188, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8188
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..21
; OTHER INFORMATION: downstream amplification primer 99-14250 for SEQ 323, in compleme
US-10-349-143-8188

Query Match          2.1%; Score 14; DB 16; Length 21;
Best Local Similarity 100.0%; Pred. No. 8.6e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      129 AACGAGACCACTTC 142
Db      2 AACGAGACCACTTC 15

RESULT 15
US-10-098-263B-39416
; Sequence 39416, Application US/10098263B
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; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 39416
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-39416

Query Match          2.1%; Score 14; DB 15; Length 25;
Best Local Similarity 100.0%; Pred. No. 8.6e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      596 AAGTGTTCACAG 609
Db      5 AAGTGTTCACAG 18

Search completed: September 16, 2004, 23:10:16
Job time : 407.448 secs
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US-08-642-274D-132  
; Sequence 132, Application US/08642274D  
; Patent No. 6200749  
; GENERAL INFORMATION:  
; APPLICANT: Shiloh, Yosef  
; TITLE OF INVENTION: MUTATED FORMS OF THE ATAXIA-TELANGIECTASIA GENE AND METHOD TO  
; FILE REFERENCE: 229000033  
; CURRENT APPLICATION NUMBER: US/08/642,274D  
; CURRENT FILING DATE: 1996-05-03  
; NUMBER OF SEQ ID NOS: 220  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 132  
; LENGTH: 31  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: intronic  
; OTHER INFORMATION: sequence  
US-08-642-274D-132

Query Match 2.1%; Score 16; DB 3; Length 31;  
Best Local Similarity 100.0%; Pred. No. 3.6e-02; Mismatches 0; Indels 0; Gaps 0;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 711 TGAACCTTTTTTTTTT 726  
Db 5 TGAACCTTTTTTTTTT 20

RESULT 3  
US-08-563-912-9  
; Sequence 9, Application US/08563912  
; Patent No. 5854033  
; GENERAL INFORMATION:  
; APPLICANT: Lizardi, Paul M.  
; TITLE OF INVENTION: Rolling Circle Replication Reporter Systems  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Patrea L. Pabst  
; STREET: 2800 One Atlantic Center  
; STREET: 1201 West Peachtree Street  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30306-3450  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION NUMBER: US/08/563,912  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Pabst, Patrea L.  
; REGISTRATION NUMBER: 31,284  
; REFERENCE/DOCKET NUMBER: YU115  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404)873-8794  
; TELEFAX: (404)873-8795  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 29 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-563-912-9

Query Match 2.0%; Score 15; DB 2; Length 29;  
Best Local Similarity 100.0%; Pred. No. 1.1e-03;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTTTTGGATC 730  
Db 6 TTTTTTTTGGATC 20

RESULT 4  
US-08-754-661-9  
; Sequence 9, Application US/08754681  
; Patent No. 6143495  
; GENERAL INFORMATION:  
; APPLICANT: Lizardi, Paul M. and Caplan, Michael  
; TITLE OF INVENTION: Unimolecular Segment Amplification  
; NUMBER OF SEQUENCES: 28  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Patrea L. Pabst  
; STREET: 2800 One Atlantic Center  
; STREET: 1201 West Peachtree Street  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30306-3450  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION NUMBER: US/08/754,681  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/563,912  
; FILING DATE: No. 6143495 September 21, 1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/016,677  
; FILING DATE: May 1, 1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Pabst, Patrea L.  
; REGISTRATION NUMBER: 31,284  
; REFERENCE/DOCKET NUMBER: YU115CIP2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404)873-8794  
; TELEFAX: (404)873-8795  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 29 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-754-661-9

Query Match 2.0%; Score 15; DB 3; Length 29;  
Best Local Similarity 100.0%; Pred. No. 1.1e-03;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTTTTGGATC 730  
Db 6 TTTTTTTTGGATC 20

RESULT 5  
US-09-132-552-9  
; Sequence 9, Application US/09132552

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; Patent No. 6183960
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M.
; TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/132,552
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/563,912
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-09-132-552-9

Query Match 2.0%; Score 15; DB 3; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTT TTTT TTTT TTTT GATC 730
Db 6 TTTT TTTT TTTT TTTT GATC 20

RESULT 6
US-09-132-553-9
; Sequence 9, Application US/09132553
; Patent No. 6210884
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M.
; TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/132,553
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/563,912
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-09-132-553-9

Query Match 2.0%; Score 15; DB 3; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTT TTTT TTTT TTTT GATC 730
Db 6 TTTT TTTT TTTT TTTT GATC 20

RESULT 7
US-09-357-487B-9
; Sequence 9, Application US/09357487B
; Patent No. 6316229
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M.
; APPLICANT: Xiaochua, Huang
; TITLE OF INVENTION: Single Molecule Analysis Using Target-Mediated Ligation
; FILE REFERENCE: YU 123
; CURRENT APPLICATION NUMBER: US/09/357,487B
; PRIOR FILING DATE: 1999-06-20
; PRIOR APPLICATION NUMBER: 60/093,479
; PRIOR FILING DATE: 1998-06-20
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 9
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: address probe
; NAME/KEY: misc_feature
; LOCATION: (16)..(29)
; OTHER INFORMATION: nucleotides complementary to amplified wild type
; OTHER INFORMATION: gene RNA
; US-09-357-487B-9

Query Match 2.0%; Score 15; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTT TTTT TTTT TTTT GATC 730
Db 6 TTTT TTTT TTTT TTTT GATC 20

RESULT 8
US-09-602-428-9
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us-09-477-082-2.oliszm50.rni

Mon Sep 20 11:28:07 2004

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; Sequence 9, Application US/09602428
; Patent No. 6329150
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M. and Caplan, Michael
; TITLE OF INVENTION: Unimolecular Segment Amplification
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/602,428
; FILING DATE: 23-Jun-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/754,681
; FILING DATE: <Unknown>
; FILING DATE: May 1, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-602-428-9

Query Match 2.0%; Score 15; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTITTTTITGATC 730
Db 6 TTTTITTTTITGATC 20

RESULT 9
US-09-644-723-9
; Sequence 9, Application US/09644723
; Patent No. 6344329
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M.
; TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/644,723
; FILING DATE: 23-Aug-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/563,912
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-644-723-9

Query Match 2.0%; Score 15; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTITTTTITGATC 730
Db 6 TTTTITTTTITGATC 20

RESULT 10
US-09-602-424-9
; Sequence 9, Application US/09602424
; Patent No. 6500363
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M. and Caplan, Michael
; TITLE OF INVENTION: Unimolecular Segment Amplification
; AND Sequencing
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/602,424
; FILING DATE: 23-Jun-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/754,681
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-644-723-9

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; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9
US-09-602-424-9

Query Match      2.0%; Score 15; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTCCTTTGATC 730
Db 6 TTTTTCCTTTGATC 20

RESULT 11
US-09-841-513-9
; Sequence 9, Application US/09841513
; Patent No. 6632609
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M. and Caplan, Michael
; TITLE OF INVENTION: Unimolecular Segment Amplification
; AND Sequencing
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/841,513
; FILING DATE: 24-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/754,681
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 60/016,677
; FILING DATE: May 1, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
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; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9
US-09-841-513-9

Query Match      2.0%; Score 15; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTCCTTTGATC 730
Db 6 TTTTTCCTTTGATC 20

RESULT 12
US-08-173-489C-20
; Sequence 20, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HERBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44Mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/968,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 bases
; TYPE: Nucleic Acid
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: third strand derived from n-myc
; DESCRIPTION: sequence region in seq ID No. 586124419
; HYPOTHETICAL: Yes
; ANTI-SENSE: NO
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 20 :FROM 1 TO 35
US-08-173-489C-20

Query Match      2.0%; Score 15; DB 2; Length 35;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 461 TTTTTCCTTTTC 475
Db 12 TTTTTCCTTTTC 26
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RESULT 13  
US-08-832-021-28  
; Sequence 28, Application US/08832021  
; Patent No. 6045998  
; GENERAL INFORMATION:  
; APPLICANT: Combates, N.  
; APPLICANT: Pardinas, J.  
; APPLICANT: Parimoo, S.  
; APPLICANT: Prouty, S.  
; APPLICANT: Stenn, K.  
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY  
; FILE REFERENCE: JBP-382  
; CURRENT APPLICATION NUMBER: US/08/832,021  
; CURRENT FILING DATE: 1997-04-02  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 28  
; LENGTH: 15  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: primer  
US-08-832-021-28

Query Match 1.9%; Score 14; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.2e+03;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTCTTTTTCAT 729  
Db 2 TTTTCTTTTTCAT 15

RESULT 14  
US-08-275-951-31  
; Sequence 31, Application US/08275951  
; Patent No. 6451968  
; GENERAL INFORMATION:  
; APPLICANT: Egholm, Michael  
; APPLICANT: Kiely, John  
; APPLICANT: Griffin, Michael  
; APPLICANT: Coull, James M.  
; APPLICANT: Neilsen, Peter  
; APPLICANT: Buchardt, Ole  
; APPLICANT: Dueholm, Kim L.  
; APPLICANT: Christensen, Leif  
; TITLE OF INVENTION: Linked Peptide Nucleic Acids  
; FILE REFERENCE: ISIS1577  
; CURRENT APPLICATION NUMBER: US/08/275,951  
; CURRENT FILING DATE: 1994-07-15  
; PRIOR APPLICATION NUMBER: 08/108,591  
; PRIOR FILING DATE: 1993-11-22  
; PRIOR APPLICATION NUMBER: 08/088,658  
; PRIOR FILING DATE: 1993-07-02  
; PRIOR APPLICATION NUMBER: 08/088,661  
; PRIOR FILING DATE: 1993-07-02  
; PRIOR APPLICATION NUMBER: PCT/EP92/01219  
; PRIOR FILING DATE: 1992-05-22  
; PRIOR APPLICATION NUMBER: 986/91  
; PRIOR FILING DATE: 1991-05-22  
; PRIOR APPLICATION NUMBER: 987/91  
; PRIOR FILING DATE: 1991-05-24  
; PRIOR APPLICATION NUMBER: 510/92  
; PRIOR FILING DATE: 1991-04-15  
; NUMBER OF SEQ ID NOS: 65  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 31  
; LENGTH: 15  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: No. 6451968el Sequence  
; NAME/KEY: misc\_feature

; LOCATION: (6)..(7)  
; OTHER INFORMATION: Lysine, Amino Hexanoic Acid, Lysine, Amino  
; OTHER INFORMATION: Hexanoic Acid, Lysine Linkage  
US-08-275-951-31

Query Match 1.9%; Score 14; DB 4; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.2e+03;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 460 CTTTTTTTCTTTT 473  
Db 2 CTTTTTTTCTTTT 15

RESULT 15  
US-09-531-000-9  
; Sequence 9, Application US/09531000  
; Patent No. 6461810  
; GENERAL INFORMATION:  
; APPLICANT: JOHNSON, Marion D.  
; APPLICANT: FRESCO, Jacques R.  
; TITLE OF INVENTION: TRIPLEX IN-SITU HYBRIDIZATION  
; FILE REFERENCE: 2448-103  
; CURRENT APPLICATION NUMBER: US/09/531,000  
; CURRENT FILING DATE: 2000-09-08  
; PRIOR APPLICATION NUMBER: PCT/US98/23765  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 60/064,997  
; PRIOR FILING DATE: 1997-11-10  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 9  
; LENGTH: 16  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Target  
US-09-531-000-9

Query Match 1.9%; Score 14; DB 4; Length 16;  
Best Local Similarity 100.0%; Pred. No. 3.2e+03;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 465 TTTTCTTTTTCATT 478  
Db 2 TTTTCTTTTTCATT 15

Search completed: September 16, 2004, 20:56:05  
Job time : 78.7287 secs

RESULT 2  
US-10-035-833A-4600  
; Sequence 4600, Application US/10035833A

us-09-477-082-2.oliszm50.rnpb

Mon Sep 20 11:28:08 2004

Publication No. US20040072156A1  
 GENERAL INFORMATION:  
 APPLICANT: Nakamura, Yuho  
 APPLICANT: Sekine, Akihiro  
 APPLICANT: Iida, Aritoshi  
 APPLICANT: Saito, Osamu  
 TITLE OF INVENTION: Detection of Genetic Polymorphisms  
 FILE REFERENCE: FORS-06904  
 CURRENT APPLICATION NUMBER: US/10/035,833A  
 CURRENT FILING DATE: 2001-12-27  
 NUMBER OF SEQ ID NOS: 7669  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 4600  
 LENGTH: 41  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: misc feature  
 LOCATION: (21)..(21)  
 OTHER INFORMATION: t is present or absent.  
 US-10-035-833A-4600

Query Match 2.5%; Score 19; DB 12; Length 41;  
 Best Local Similarity 100.0%; Pred. No. 55;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 461 TTTTTCCTTTTCATT 479  
 Db 14 TTTTTCCTTTTCATT 32

RESULT 3  
 US-10-282-174-524  
 Sequence 524, Application US/10282174  
 Publication No. US20030224380A1  
 GENERAL INFORMATION:  
 APPLICANT: Becker, Kenneth David  
 APPLICANT: Velicelebi, Gonul  
 APPLICANT: Elliot, Kathryn J.  
 APPLICANT: Wang, Xin  
 APPLICANT: Tanzi, Rudolph E.  
 APPLICANT: Bertram, Lars  
 APPLICANT: Saunders, Aleister J.  
 APPLICANT: Mullin, Kristina M.  
 APPLICANT: Sampson, Andrew Johnson  
 APPLICANT: Blacker, Deborah Lynne  
 TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10  
 TITLE OF INVENTION: ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER  
 TITLE OF INVENTION: NEURODEGENERATIVE DISEASES  
 FILE REFERENCE: 37481-3308  
 CURRENT APPLICATION NUMBER: US/10/282,174  
 CURRENT FILING DATE: 2002-10-25  
 PRIOR APPLICATION NUMBER: US 60/339,525  
 PRIOR FILING DATE: 2001-10-25  
 PRIOR APPLICATION NUMBER: US 60/338,010  
 PRIOR FILING DATE: 2001-11-08  
 PRIOR APPLICATION NUMBER: US 60/336,929  
 PRIOR FILING DATE: 2001-11-08  
 PRIOR APPLICATION NUMBER: US 60/338,363  
 PRIOR FILING DATE: 2001-11-09  
 PRIOR APPLICATION NUMBER: US 60/337,052  
 PRIOR FILING DATE: 2001-12-04  
 PRIOR APPLICATION NUMBER: US 60/369,919  
 PRIOR FILING DATE: 2002-03-28  
 NUMBER OF SEQ ID NOS: 564  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 524  
 LENGTH: 20  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Primer  
 US-10-282-174-524

Query Match 2.4%; Score 18; DB 13; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 613 TCCCTCCCTGCTCTG 630  
 Db 3 TCCCTCCCTGCTCTG 20

RESULT 4  
 US-09-906-179A-157  
 Sequence 157, Application US/09906179A  
 Publication No. US20030219737A1  
 GENERAL INFORMATION:  
 APPLICANT: Bullard, James M.  
 APPLICANT: Janjic, Nebojsa  
 APPLICANT: McHenry, Charles S.  
 TITLE OF INVENTION: NOVEL DNA POLYMERASE III HOLOENZYME DELTA SUBUNIT  
 TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND PROTEINS  
 FILE REFERENCE: RDYN03  
 CURRENT APPLICATION NUMBER: US/09/906,179A  
 CURRENT FILING DATE: 2001-07-16  
 PRIOR APPLICATION NUMBER: 60/218,246  
 PRIOR FILING DATE: 2000-07-14  
 PRIOR APPLICATION NUMBER: 09/818,780  
 PRIOR FILING DATE: 2001-03-28  
 PRIOR APPLICATION NUMBER: 60/192,736  
 PRIOR FILING DATE: 2000-03-28  
 NUMBER OF SEQ ID NOS: 230  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 157  
 LENGTH: 32  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Primer  
 US-09-906-179A-157

Query Match 2.3%; Score 17; DB 11; Length 32;  
 Best Local Similarity 100.0%; Pred. No. 5.7e+02;  
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 167 CAGGAACCAATATT 183  
 Db 8 CAGGAACCAATATT 24

RESULT 5  
 US-10-282-174-525/c  
 Sequence 525, Application US/10282174  
 Publication No. US20030224380A1  
 GENERAL INFORMATION:  
 APPLICANT: Becker, Kenneth David  
 APPLICANT: Velicelebi, Gonul  
 APPLICANT: Elliot, Kathryn J.  
 APPLICANT: Wang, Xin  
 APPLICANT: Tanzi, Rudolph E.  
 APPLICANT: Bertram, Lars  
 APPLICANT: Saunders, Aleister J.  
 APPLICANT: Mullin, Kristina M.  
 APPLICANT: Sampson, Andrew Johnson  
 APPLICANT: Blacker, Deborah Lynne  
 TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10  
 TITLE OF INVENTION: ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER  
 TITLE OF INVENTION: NEURODEGENERATIVE DISEASES  
 FILE REFERENCE: 37481-3308  
 CURRENT APPLICATION NUMBER: US/10/282,174  
 CURRENT FILING DATE: 2002-10-25  
 PRIOR APPLICATION NUMBER: US 60/339,525  
 PRIOR FILING DATE: 2001-10-25  
 PRIOR APPLICATION NUMBER: US 60/338,010  
 PRIOR FILING DATE: 2001-11-08

; PRIOR APPLICATION NUMBER: US 60/336,929  
; PRIOR FILING DATE: 2001-11-08  
; PRIOR APPLICATION NUMBER: US 60/338,363  
; PRIOR FILING DATE: 2001-11-09  
; PRIOR APPLICATION NUMBER: US 60/337,052  
; PRIOR FILING DATE: 2001-12-04  
; PRIOR APPLICATION NUMBER: US 60/368,919  
; PRIOR FILING DATE: 2002-03-28  
; NUMBER OF SEQ ID NOS: 564  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 525  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-10-282-174-525

Query Match 2.1%; Score 16; DB 13; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 613 TCCCTCCCTGCCCTC 628  
Db 16 TCCCTCCCTGCCCTC 1

RESULT 6  
US-10-418-182-164/c  
; Sequence 164, Application US/10418182  
; Publication No. US20030228302A1  
; GENERAL INFORMATION:  
; APPLICANT: Crea, Roberto  
; TITLE OF INVENTION: UNIVERSAL LIBRARIES FOR IMMUNOGLOBULINS  
; FILE REFERENCE: 1551.2001-001  
; CURRENT APPLICATION NUMBER: US/10/418,182  
; CURRENT FILING DATE: 2003-04-16  
; PRIOR APPLICATION NUMBER: 60/373,558  
; PRIOR FILING DATE: 2002-04-17  
; NUMBER OF SEQ ID NOS: 423  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 164  
; LENGTH: 27  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: oligonucleotide  
US-10-418-182-164

Query Match 2.1%; Score 16; DB 16; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 460 CTTTTCCTTTTCCTTC 475  
Db 18 CTTTTCCTTTTCCTTC 3

RESULT 7  
US-10-416-699A-5/c  
; Sequence 5, Application US/10416699A  
; Publication No. US20040132031A1  
; GENERAL INFORMATION:  
; APPLICANT: Toyo Kohan Co., Ltd.  
; TITLE OF INVENTION: SUPPORTS FOR HYBRIDIZATION AND METHOD OF IMMOBILIZING HYBRID  
; FILE REFERENCE: OKAMURA-5  
; CURRENT APPLICATION NUMBER: US/10/416,699A  
; CURRENT FILING DATE: 2003-05-13  
; PRIOR APPLICATION NUMBER: JP2000/344651  
; PRIOR FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: PCT/JPO1/09798  
; PRIOR FILING DATE: 2001-11-09  
; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 5  
; LENGTH: 27  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-416-699A-5

Query Match 2.1%; Score 16; DB 17; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 710 ATGAACCTTTTTCCTTC 725  
Db 16 ATGAACCTTTTTCCTTC 1

RESULT 8  
US-09-828-523A-87/c  
; Sequence 87, Application US/09828523A  
; Patent No. US20020168697A1  
; GENERAL INFORMATION:  
; APPLICANT: The Pharmacia & Upjohn Company  
; TITLE OF INVENTION: ANTIMICROBIAL METHODS AND MATERIALS  
; FILE REFERENCE: 268.62120101  
; CURRENT APPLICATION NUMBER: US/09/828,523A  
; CURRENT FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: 60/266,327  
; PRIOR FILING DATE: 2000-04-06  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 87  
; LENGTH: 39  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide Primer.  
US-09-828-523A-87

Query Match 2.1%; Score 16; DB 9; Length 39;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 463 TTTTTCCTTTTCCTTC 478  
Db 27 TTTTTCCTTTTCCTTC 12

RESULT 9  
US-10-035-833A-5996/c  
; Sequence 5996, Application US/10035833A  
; Publication No. US20040072156A1  
; GENERAL INFORMATION:  
; APPLICANT: Nakamura, Yuho  
; APPLICANT: Sekine, Akihiro  
; APPLICANT: Iida, Aritoshi  
; APPLICANT: Saito, Osamu  
; TITLE OF INVENTION: Detection of Genetic Polymorphisms  
; FILE REFERENCE: FORS-06904  
; CURRENT APPLICATION NUMBER: US/10/035,833A  
; CURRENT FILING DATE: 2001-12-27  
; NUMBER OF SEQ ID NOS: 7669  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 5996  
; LENGTH: 41  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (21)-(21)  
; OTHER INFORMATION: a is present or absent.  
US-10-035-833A-5996

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Query Match          2.1%; Score 16; DB 12; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.8e+03; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 461 TTTTTCCTTTTCA 476
Db 20 TTTTTCCTTTTCA 5

RESULT 10
US-10-338-777-196/c
; Sequence 196, Application US/10338777
; Publication No. US20030188343A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: United States Department of Agriculture
; APPLICANT: Bower, Benjamin A
; APPLICANT: Haudenschild, Christian D
; APPLICANT: Buckler, Edward S
; TITLE OF INVENTION: Identification of Genes Associated with Growth in Plants
; FILE REFERENCE: 37-000510US
; CURRENT APPLICATION NUMBER: US/10/338,777
; CURRENT FILING DATE: 2003-01-07
; NUMBER OF SEQ ID NOS: 405
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 196
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-338-777-196

Query Match          2.0%; Score 15; DB 15; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.8e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTTCCTTTTGC 730
Db 15 TTTTTCCTTTTGC 1

RESULT 11
US-09-912-724-28/c
; Sequence 28, Application US/09912724
; Publication No. US20030083280A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; TITLE OF INVENTION: ANTISENSE MODULATION OF C-REACTIVE PROTEIN EXPRESSION
; FILE REFERENCE: ISPH-0584
; CURRENT APPLICATION NUMBER: US/09/912,724
; CURRENT FILING DATE: 2001-07-25
; NUMBER OF SEQ ID NOS: 63
; SEQ ID NO 28
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-912-724-28

Query Match          2.0%; Score 15; DB 10; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.8e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 273 GGCCAGGCTCTCTG 287
Db 15 GGCCAGGCTCTCTG 1

RESULT 12
US-09-263-959-524/c
; Sequence 524, Application US/09263959
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; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMahsters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 524:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-263-959-524

Query Match          2.0%; Score 15; DB 9; Length 27;
Best Local Similarity 100.0%; Pred. No. 5.8e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 461 TTTTTCCTTTTTC 475
Db 25 TTTTTCCTTTTTC 11

RESULT 13
US-09-841-513-9
; Sequence 9, Application US/09841513
; Publication No. US20020192649A1
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M. and Caplan, Michael
; TITLE OF INVENTION: Unimolecular Segment Amplification
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/841,513
; FILING DATE: 24-Apr-2001
; CLASSIFICATION: <unknown>
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/754,681
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 60/016,677
; FILING DATE: MAY 1, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9
US-09-841-513-9

Query Match          2.0%; Score 15; DB 9; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTTCCTTTTTCATC 730
Db 6 TTTTTCCTTTTTCATC 20

RESULT 14
US-10-038-718-9
; Sequence 9, Application US/10038718
; Publication No. US20030032024A1
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M.
; TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,718
; FILING DATE: 02-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/563,912
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9
US-09-841-513-9

Query Match          2.0%; Score 15; DB 9; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTTCCTTTTTCATC 730
Db 6 TTTTTCCTTTTTCATC 20

RESULT 15
US-10-413-041-9
; Sequence 9, Application US/10413041
; Publication No. US20030235849A1
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M. and Caplan, Michael
; TITLE OF INVENTION: Unimolecular Segment Amplification
; AND SEQUENCING
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/413,041
; FILING DATE: 14-Apr-2003
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/754,681
; FILING DATE: NO US20030235849A1ember 21, 1996
; APPLICATION NUMBER: 08/563,912
; FILING DATE: NO US20030235849A1ember 21, 1995
; APPLICATION NUMBER: 60/016,677
; FILING DATE: MAY 1, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-413-041-9

Query Match          2.0%; Score 15; DB 16; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTTCCTTTTTCATC 730
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; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-038-718-9

Query Match          2.0%; Score 15; DB 15; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTTCCTTTTTCATC 730
Db 6 TTTTTCCTTTTTCATC 20

RESULT 15
US-10-413-041-9
; Sequence 9, Application US/10413041
; Publication No. US20030235849A1
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M. and Caplan, Michael
; TITLE OF INVENTION: Unimolecular Segment Amplification
; AND SEQUENCING
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/413,041
; FILING DATE: 14-Apr-2003
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/754,681
; FILING DATE: NO US20030235849A1ember 21, 1996
; APPLICATION NUMBER: 08/563,912
; FILING DATE: NO US20030235849A1ember 21, 1995
; APPLICATION NUMBER: 60/016,677
; FILING DATE: MAY 1, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-413-041-9

Query Match          2.0%; Score 15; DB 16; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTTCCTTTTTCATC 730
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Mon Sep 20 11:28:08 2004

us-09-477-082-2.oliszm50.rnpb

Page 6

Db                   |||||||  
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Search completed: September 16, 2004, 23:10:18  
Job time : 456.552 secs



GenCore version 5.1.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 Seconds  
(without alignments)  
310.678 Million cell updates/sec

Title: US-09-477-082-29

Perfect score: 21  
Sequence: 1 taggggattcggagattgcga 21

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 682709 segs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA: \*  
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3: /cgn2\_6/ptodata/2/ina/6A COMB.seq: \*  
4: /cgn2\_6/ptodata/2/ina/6B COMB.seq: \*  
5: /cgn2\_6/ptodata/2/ina/PTUS COMB.seq: \*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	17.8	84.8	2887	4	US-08-983-502-14
2	17.8	84.8	2887	4	US-09-516-747-14
3	17.8	84.8	2887	5	PCT-US96-10521-14
4	15.4	73.3	1471	4	US-09-620-312D-446
5	15.4	73.3	11272	4	US-09-341-461-1
6	15.2	72.4	872	4	US-09-016-434-6
7	15.2	72.4	5849	3	US-09-134-246-6
8	15.2	72.4	42571	4	US-09-810-347-3
9	15.2	72.4	168575	4	US-09-426-290-1
10	15.2	72.4	4403765	3	US-09-103-840A-2
11	15.2	72.4	4411529	3	US-09-103-840A-1
12	14.8	70.5	152	4	US-09-621-976-12793
13	14.8	70.5	155	4	US-09-621-976-12743
14	14.8	70.5	987	4	US-09-543-681A-323
15	14.6	69.5	419	4	US-09-000-266-1
16	14.6	69.5	419	4	US-09-000-266-3
17	14.6	69.5	419	4	US-09-628-099-1
18	14.6	69.5	419	4	US-09-628-099-3
19	14.6	69.5	419	4	US-10-056-360-1
20	14.6	69.5	419	4	US-10-056-360-3
21	14.6	69.5	419	4	US-10-056-359-1
22	14.6	69.5	419	4	US-10-056-359-3
23	14.6	69.5	885	4	US-09-107-532A-593
24	14.6	69.5	1602	4	US-09-107-532A-885
25	14.6	69.5	2260	4	US-09-889-463A-35
26	14.6	69.5	3363	4	US-09-221-017B-862
27	14.4	68.6	2596	4	US-09-808-701A-7

c 28 14.2 67.6 276 1 US-08-181-492B-25 Sequence 25, Appl  
29 14.2 67.6 276 1 US-08-181-492B-26 Sequence 26, Appl  
c 30 14.2 67.6 276 5 PCT-US95-00408-25 Sequence 25, Appl  
c 31 14.2 67.6 281 4 US-09-313-294A-3396 Sequence 3396, Ap  
c 32 14.2 67.6 312 4 US-09-252-991A-12431 Sequence 12431, A  
33 14.2 67.6 975 4 US-09-252-991A-12158 Sequence 12158, A  
34 14.2 67.6 1188 3 US-09-064-693A-17 Sequence 17, Appl  
c 35 14.2 67.6 1312 3 US-09-193-792-20 Sequence 20, Appl  
c 36 14.2 67.6 1440 4 US-09-107-532A-2363 Sequence 2363, Ap  
c 37 14.2 67.6 2021 3 US-09-193-792-2 Sequence 2, Appl  
38 14.2 67.6 2122 4 US-09-833-381-1176 Sequence 1176, Ap  
c 39 14.2 67.6 2251 4 US-09-549-872B-16 Sequence 16, Appl  
c 40 14.2 67.6 2284 4 US-09-193-792-1 Sequence 1, Appl  
c 41 14.2 67.6 3180 4 US-09-549-872B-6 Sequence 6, Appl  
c 42 14.2 67.6 4086 1 US-08-313-181-1 Sequence 1, Appl  
c 43 14.2 67.6 6641 3 US-09-064-693A-25 Sequence 25, Appl  
44 14.2 67.6 7445 3 US-09-178-973B-8 Sequence 8, Appl  
45 14.2 67.6 7445 4 US-09-419-568F-8 Sequence 8, Appl

#### ALIGNMENTS

RESULT 1  
US-08-983-502-14  
; Sequence 14, Application US/08983502  
; Patent No. 6399327  
; GENERAL INFORMATION:  
; APPLICANT: David WALLACH  
; APPLICANT: Mark P. BOLDIN  
; APPLICANT: Tanya M. GONCHAROV  
; APPLICANT: Yuri V. GOLTSEV  
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS  
; TITLE OF INVENTION: AND OTHER PROTEINS  
; NUMBER OF SEQUENCES: 34  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Browdy and Neimark  
; STREET: 419 Seventh Street N.W., Ste. 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30.  
; CURRENT APPLICATION NUMBER: US/08/983,502  
; FILING DATE: 16-JAN-1998  
; PRIOR APPLICATION DATA: PCT/US96/10521  
; APPLICATION NUMBER: IL 114,615  
; FILING DATE: 16-JUL-1995  
; PRIOR APPLICATION DATA: IL 114,615  
; APPLICATION NUMBER: IL 114,615  
; FILING DATE: 16-JUL-1995  
; APPLICATION NUMBER: IL 114,615  
; FILING DATE: 17-AUG-1995  
; PRIOR APPLICATION DATA: IL 115,319  
; APPLICATION NUMBER: IL 115,319  
; FILING DATE: 14-SEP-1995  
; PRIOR APPLICATION DATA: IL 116,588  
; APPLICATION NUMBER: IL 116,588  
; FILING DATE: 27-DEC-1995  
; PRIOR APPLICATION DATA: IL 117,932  
; APPLICATION NUMBER: IL 117,932  
; FILING DATE: 16-APR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Browdy, Roger L.  
; REGISTRATION NUMBER: 25,618  
; REFERENCE/DOCKET NUMBER: WALLACH=19  
; TELECOMMUNICATION INFORMATION:

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; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-08-983-502-14
Query Match      84.8%; Score 17.8; DB 4; Length 2887;
Best Local Similarity 90.5%; Pred. No. 6;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 TAGGGGATTCGGAGATTGCGA 21
Db      221 TAGGGGACTCGGAGACTGCGA 241

RESULT 2
US-09-516-747-14
; Sequence 14, Application US/09516747
; Patent No. 6586571
; GENERAL INFORMATION:
; APPLICANT: David WALLACH
; Mark P. BOLDIN
; Tanya M. GONCHAROV
; Yury V. GOLTSEV
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/516,747
; FILING DATE: 01-Mar-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/983,502
; FILING DATE: <unknown>
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; NAME: Browdy, Roger L.
; ATTORNEY/AGENT INFORMATION:
; REFERENCE/DOCKET NUMBER: WALLACH=19
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; MOLECULE TYPE: cdna
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-516-747-14
Query Match      84.8%; Score 17.8; DB 4; Length 2887;
Best Local Similarity 90.5%; Pred. No. 6;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db      221 TAGGGGACTCGGAGACTGCGA 241

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; Sequence 14, Application PC/TUS9610521
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10521
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
PCT-US96-10521-14
Query Match      84.8%; Score 17.8; DB 5; Length 2887;
Best Local Similarity 90.5%; Pred. No. 6;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 TAGGGGATTCGGAGATTGCGA 21
Db      221 TAGGGGACTCGGAGACTGCGA 241

RESULT 4
US-09-620-312D-446
; Sequence 446, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
```

APPLICANT: Chen, Rui-hong  
APPLICANT: Zhao, Qing A.  
APPLICANT: Wehrman, Tom  
APPLICANT: Xue, Aidong J.  
APPLICANT: Yang, Yonghong  
APPLICANT: Wang, Jian-Rui  
APPLICANT: Zhou, Ping  
APPLICANT: Ma, Yungqing  
APPLICANT: Wang, Dunrui  
APPLICANT: Wang, Zhiwei  
APPLICANT: John Tillinghast  
APPLICANT: Drmanac, Radoje T.  
TITLE OF INVENTION: No. 6569662el Nucleic Acids and  
TITLE OF INVENTION: Polypeptides  
FILE REFERENCE: 784CIP2B  
CURRENT APPLICATION NUMBER: US/09/620,312D  
CURRENT FILING DATE: 2000-07-19  
PRIOR APPLICATION NUMBER: 09/552,317  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/488,725  
PRIOR FILING DATE: 2000-01-21  
NUMBER OF SEQ ID NOS: 1105  
SOFTWARE: pt\_FL\_genes Version 1.0  
SEQ ID NO 446  
LENGTH: 1471  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (904)..(1293)  
US-09-620-312D-446

Query Match 73.3%; Score 15.4; DB 4; Length 1471;  
Best Local Similarity 94.1%; Pred. No. 90;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GGGGATTCGGAGATTGC 19  
Db 669 GAGGATTCGGAGATTGC 685

RESULT 5  
US-09-341-461-1/c  
Sequence 1, Application US/09341461  
Patent No. 6586389  
GENERAL INFORMATION:  
APPLICANT: Hammond, Timothy G.  
TITLE OF INVENTION: Cubilin Protein, DNA Sequences Encoding Cubilin  
TITLE OF INVENTION: and Uses Thereof  
FILE REFERENCE: D6148  
CURRENT APPLICATION NUMBER: US/09/341,461  
CURRENT FILING DATE: 2000-07-20  
PRIOR APPLICATION NUMBER: PCT/US99/01259  
PRIOR FILING DATE: 1999-01-21  
NUMBER OF SEQ ID NOS: 40  
SEQ ID NO 1  
LENGTH: 11272  
TYPE: DNA  
ORGANISM: rat  
FEATURE:  
OTHER INFORMATION: nucleic acid sequence of rat cubilin  
US-09-341-461-1

Query Match 73.3%; Score 15.4; DB 4; Length 11272;  
Best Local Similarity 94.1%; Pred. No. 1.2e+02;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GGGGATTCGGAGATTGC 19  
Db 8562 GGGGATTCGGAATTGC 8546

RESULT 6  
US-09-016-434-6  
Sequence 6, Application US/09016434  
Patent No. 6500938  
GENERAL INFORMATION:  
APPLICANT: Janice Au-Young  
APPLICANT: Jeffrey J. Sellhamer  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
NUMBER OF SEQUENCES: 1490  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/016,434  
FILING DATE: HERewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0002 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 872 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: THPLBL01  
CLONE: 011615  
US-09-016-434-6

Query Match 72.4%; Score 15.2; DB 4; Length 872;  
Best Local Similarity 85.0%; Pred. No. 1.1e+02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 AGGGGATTCGGAGATTGCGA 21  
Db 538 AGGAGATTCGGAGATTATGA 557

RESULT 7  
US-09-134-246-6/c  
Sequence 6, Application US/09134246B  
Patent No. 6207377  
GENERAL INFORMATION:  
APPLICANT: Wayne, Jay  
APPLICANT: Xu, Shuang-yong  
TITLE OF INVENTION: Method For Construction Of Thermus-E. coli Shuttle  
TITLE OF INVENTION: Vectors And Identification Of Two Thermus Plasmid  
TITLE OF INVENTION: Replication Origins  
FILE REFERENCE: Thermus Shuttle Vector  
CURRENT APPLICATION NUMBER: US/09/134,246B  
CURRENT FILING DATE: 1998-08-14  
NUMBER OF SEQ ID NOS: 30  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6

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; NAME/KEY: CDS
; LOCATION: (128910)...(129139)
US-09-426-290-1

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Best Local Similarity 85.0%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGATTTCGAGATTGCGA 21
Db 4909 AGGAGATTAGGAGATTGAGA 4890

RESULT 8
US-09-810-347-3
; Sequence 3, Application US/09810347
; Patent No. 6461847
; GENERAL INFORMATION:
; APPLICANT: YE, Jane et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001169
; CURRENT APPLICATION NUMBER: US/09/810,347
; CURRENT FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 42571
; TYPE: DNA
; ORGANISM: Human
US-09-810-347-3

Query Match      72.4%; Score 15.2; DB 4; Length 42571;
Best Local Similarity 85.0%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGATTTCGAGATTGCGA 21
Db 22240 AGGTAATCTGAGATTGCGA 22259

RESULT 9
US-09-426-290-1
; Sequence 1, Application US/09426290
; Patent No. 6410712
; GENERAL INFORMATION:
; APPLICANT: Berglind Ran Olafsdottir
; APPLICANT: Jeffrey Gulcher NARCOLEPSY GENE
; TITLE OF INVENTION: HUMAN NARCOLEPSY GENE
; FILE REFERENCE: 2345.2001-000
; CURRENT APPLICATION NUMBER: US/09/426,290
; CURRENT FILING DATE: 1999-10-25
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 168575
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21181)...(21403)
; NAME/KEY: CDS
; LOCATION: (95252)...(95430)
; NAME/KEY: CDS
; LOCATION: (101753)...(101996)
; NAME/KEY: CDS
; LOCATION: (110324)...(110439)
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; LOCATION: (124058)...(124278)
; NAME/KEY: CDS
; LOCATION: (127009)...(127130)
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; NAME/KEY: CDS
; LOCATION: (128910)...(129139)
US-09-426-290-1

Query Match      72.4%; Score 15.2; DB 4; Length 168575;
Best Local Similarity 85.0%; Pred. No. 2e+02; 3; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGATTTCGAGATTGCGA 21
Db 29456 AGGGATTGGAGATGCTGA 29475

RESULT 10
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match      72.4%; Score 15.2; DB 3; Length 4403765;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGATTTCGAGATTGCG 20
Db 1931100 TAGAGATTTCGAGATCGCG 1931119

RESULT 11
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37RV
US-09-103-840A-1

Query Match      72.4%; Score 15.2; DB 3; Length 4411529;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
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REFIDIANI, GARY EREION  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

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OM nucleic - nucleic search, using sw model

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(without alignments)  
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Title: US-09-477-082-29

Perfect score: 21

Sequence: 1 taggggattcgagattgcga 21

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 3327077 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	17.8	84.8	60	10	US-09-908-975-31650 Sequence 31650, A
2	17.8	84.8	2887	16	US-10-368-438-14 Sequence 14, Appl
3	17.4	82.9	8951	15	US-10-311-455-767 Sequence 767, App
4	16.8	80.0	5518	15	US-10-311-455-190 Sequence 190, App
5	16.8	80.0	5518	15	US-10-240-452-18 Sequence 18, Appl
6	16.2	77.1	404	17	US-10-767-701-27172 Sequence 27172, A
7	16.2	77.1	1196	17	US-10-767-701-12513 Sequence 12513, A
8	15.8	75.2	116	13	US-10-085-783A-27470 Sequence 27470, A
9	15.8	75.2	116	16	US-10-242-535A-27470 Sequence 27470, A
10	15.8	75.2	493	16	US-10-062-674-340 Sequence 340, App
11	15.8	75.2	495	9	US-09-873-880-7 Sequence 7, Appl
12	15.8	75.2	1362	9	US-09-873-880-29 Sequence 29, Appl
13	15.8	75.2	1319	13	US-10-424-599-125852 Sequence 125852, A
14	15.8	75.2	5546	15	US-10-311-455-364 Sequence 364, App

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15 15.8 75.2 5546 17 US-10-311-507-92 Sequence 92, Appl
16 15.8 75.2 6973 17 US-10-311-455-1751 Sequence 1751, Ap
17 15.8 75.2 13627 15 US-10-433-793-6 Sequence 6, Appli
18 15.8 75.2 51664 13 US-10-087-192-877 Sequence 877, App
19 15.8 75.2 73967 13 US-10-087-192-886 Sequence 886, App
20 15.8 75.2 3673778 15 US-10-312-841-1 Sequence 1, Appli
21 15.8 75.2 3673778 15 US-10-312-841-1 Sequence 1, Appli
22 15.4 73.3 259 13 US-10-424-599-91019 Sequence 91019, A
23 15.4 73.3 906 13 US-10-424-599-130722 Sequence 130722,
24 15.4 73.3 950 17 US-10-437-963-41243 Sequence 41243, A
25 15.4 73.3 1471 15 US-10-037-270-446 Sequence 446, App
26 15.4 73.3 1471 16 US-10-117-722-446 Sequence 446, App
27 15.4 73.3 2130 13 US-10-424-599-70370 Sequence 70370, A
28 15.4 73.3 6482 17 US-10-240-589C-55 Sequence 55, Appl
29 15.4 73.3 8091 9 US-09-961-527A-6 Sequence 6, Appli
30 15.4 73.3 10872 12 US-10-152-319A-1984 Sequence 1984, Ap
31 15.4 73.3 14955 9 US-09-961-527A-1 Sequence 1, Appli
32 15.4 73.3 16914 13 US-10-221-613-214 Sequence 214, App
33 15.4 73.3 42339 13 US-10-087-192-991 Sequence 991, App
34 15.4 73.3 2731748 17 US-10-297-465A-1 Sequence 1, Appli
35 15.2 72.4 282 9 US-10-312-841-2 Sequence 2, Appli
36 15.2 72.4 285 9 US-09-294-093B-1232 Sequence 1232, Ap
37 15.2 72.4 342 9 US-09-294-093B-775 Sequence 775, App
38 15.2 72.4 470 9 US-09-770-791-820 Sequence 820, App
39 15.2 72.4 474 12 US-09-923-293-3533 Sequence 3533, Ap
40 15.2 72.4 531 13 US-10-424-599-9491 Sequence 9491, Ap
41 15.2 72.4 580 13 US-10-027-632-30065 Sequence 30065, A
42 15.2 72.4 580 16 US-10-027-632-30065 Sequence 30065, A
43 15.2 72.4 630 13 US-10-027-632-187638 Sequence 187638,
44 15.2 72.4 630 16 US-10-027-632-187638 Sequence 187638,
45 15.2 72.4 642 13 US-10-027-632-250518 Sequence 250518,

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#### ALIGNMENTS

#### RESULT 1

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US-09-908-975-31650
; Sequence 31650, Application US/09908975
; Publication No. US20030165843A1
; GENERAL INFORMATION:
; APPLICANT: SHOSHAN, Avi
; APPLICANT: WASSERMAN, Alon
; APPLICANT: MINTZ, Eli
; APPLICANT: MINTZ, Liat
; APPLICANT: FAIGLER, Simchon
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE
; FILE REFERENCE: 36688-0005
; CURRENT APPLICATION NUMBER: US/09/908,975
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 60/287,724
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: US 60/221,607
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 32337
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31650
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-908-975-31650

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Query Match      84.8%; Score 17.8; DB 10; Length 60;
Best Local Similarity 90.5%; Pred. No. 38;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 1 TAGGGGATTGCGAGATTGCGA 21
    |||||
Db 19 TAGGGGACTCGGAGACTGCGA 39
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#### RESULT 2







; PRIOR APPLICATION NUMBER: US 60/275,017  
 ; PRIOR FILING DATE: 2001-03-12  
 ; PRIOR APPLICATION NUMBER: US 60/271,955  
 ; PRIOR FILING DATE: 2001-02-28  
 ; NUMBER OF SEQ ID NOS: 58994  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 27470  
 ; LENGTH: 116  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 ; US-10-242-535A-27470

Query Match 75.2%; Score 15.8; DB 16; Length 116;  
 Best Local Similarity 89.5%; Pred. No. 3.9e+02;  
 Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 2 AGGGGATTCGAGATTGCG 20  
 ||||| ||||| ||||| ||||| |||||  
 Db 40 AGGGGACCGGAGATTGCG 58

RESULT 10  
 US-10-062-674-340/c  
 ; Sequence 340, Application US/10062674  
 ; Publication No. US20040005559A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.  
 ; TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS  
 ; FILE REFERENCE: PA-0026-1 CIP  
 ; CURRENT APPLICATION NUMBER: US/10/062,674  
 ; CURRENT FILING DATE: 2002-01-30  
 ; PRIOR APPLICATION NUMBER: US 09/625,102  
 ; PRIOR FILING DATE: 2000-07-24  
 ; NUMBER OF SEQ ID NOS: 2217  
 ; SOFTWARE: PERL Program  
 ; SEQ ID NO 340  
 ; LENGTH: 493  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: GenBank ID No. US20040005559A1 gl909578  
 ; US-10-062-674-340

Query Match 75.2%; Score 15.8; DB 16; Length 493;  
 Best Local Similarity 89.5%; Pred. No. 4.1e+02;  
 Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 1 TAGGGGATTCGAGATTGCG 19  
 ||||| ||||| ||||| ||||| |||||  
 Db 432 TAGGGGATTCGAGATTGCG 414

RESULT 11  
 US-09-873-880-7/c  
 ; Sequence 7, Application US/09873880  
 ; Patent No. US20020123118A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sewalt, Vincent  
 ; APPLICANT: Falco, S. Carl  
 ; APPLICANT: Allen, Stephen M.  
 ; TITLE OF INVENTION: GLYCINE METABOLISM ENZYMES  
 ; FILE REFERENCE: B81192 US CIP  
 ; CURRENT APPLICATION NUMBER: US/09/873,880  
 ; CURRENT FILING DATE: 2001-06-04  
 ; PRIOR APPLICATION NUMBER: 09/363,321  
 ; PRIOR FILING DATE: July 28, 1999  
 ; PRIOR APPLICATION NUMBER: 60/094,839  
 ; PRIOR FILING DATE: July 31, 1998  
 ; NUMBER OF SEQ ID NOS: 42  
 ; SOFTWARE: Microsoft Office 97  
 ; SEQ ID NO 7  
 ; LENGTH: 495

; TYPE: DNA  
 ; ORGANISM: Glycine max  
 ; FEATURE:  
 ; NAME/KEY: unsure  
 ; LOCATION: (382)  
 ; OTHER INFORMATION: n=A, C, G, or T  
 ; NAME/KEY: unsure  
 ; LOCATION: (454)  
 ; OTHER INFORMATION: n=A, C, G, or T  
 ; US-09-873-880-7

Query Match 75.2%; Score 15.8; DB 9; Length 495;  
 Best Local Similarity 89.5%; Pred. No. 4.1e+02;  
 Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 2 AGGGGATTCGAGATTGCG 20  
 ||||| ||||| ||||| ||||| |||||  
 Db 353 AGGGGATTCGAGATTGCG 335

RESULT 12  
 US-09-873-880-29/c  
 ; Sequence 29, Application US/09873880  
 ; Patent No. US20020123118A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sewalt, Vincent  
 ; APPLICANT: Falco, S. Carl  
 ; APPLICANT: Allen, Stephen M.  
 ; TITLE OF INVENTION: GLYCINE METABOLISM ENZYMES  
 ; FILE REFERENCE: B81192 US CIP  
 ; CURRENT APPLICATION NUMBER: US/09/873,880  
 ; CURRENT FILING DATE: 2001-06-04  
 ; PRIOR APPLICATION NUMBER: 09/363,321  
 ; PRIOR FILING DATE: July 28, 1999  
 ; PRIOR APPLICATION NUMBER: 60/094,839  
 ; PRIOR FILING DATE: July 31, 1998  
 ; NUMBER OF SEQ ID NOS: 42  
 ; SOFTWARE: Microsoft Office 97  
 ; SEQ ID NO 29  
 ; LENGTH: 1362  
 ; TYPE: DNA  
 ; ORGANISM: Glycine max  
 ; US-09-873-880-29

Query Match 75.2%; Score 15.8; DB 9; Length 1362;  
 Best Local Similarity 89.5%; Pred. No. 4.3e+02;  
 Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 2 AGGGGATTCGAGATTGCG 20  
 ||||| ||||| ||||| ||||| |||||  
 Db 360 AGGGGATTCGAGATTGCG 342

RESULT 13  
 US-10-424-599-125852/c  
 ; Sequence 125852, Application US/10424599  
 ; Publication No. US20040031072A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rosa, Thomas J  
 ; APPLICANT: Kovalic, David K  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 ; FILE REFERENCE: 38-21(53223)B  
 ; CURRENT APPLICATION NUMBER: US/10/424,599  
 ; CURRENT FILING DATE: 2003-04-28  
 ; NUMBER OF SEQ ID NOS: 285684  
 ; SEQ ID NO 125852  
 ; LENGTH: 1519  
 ; TYPE: DNA  
 ; ORGANISM: Glycine max  
 ; FEATURE:

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; OTHER INFORMATION: Clone ID: PAT_MRT3847_84653C.1
US-10-424-599-125852

Query Match          75.2%; Score 15.8; DB 13; Length 1519;
Best Local Similarity 89.5%; Pred.No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 AGGGGATTCGGAGATTGCG 20
DB      482 AGGGGATTCGGAGATTGCG 464
      |||||
      |||||

RESULT 14
US-10-311-455-364
; Sequence 364, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining the Methylation Status of Cytosine
; TITLE OF INVENTION: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311.455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 364
; LENGTH: 5546
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-364

Query Match          75.2%; Score 15.8; DB 15; Length 5546;
Best Local Similarity 89.5%; Pred.No. 4.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 AGGGGATTCGGAGATTGCG 20
DB      5406 AGAGGATTCGGAGATTGGG 5424
      |||||
      |||||

RESULT 15
US-10-311-507-92
; Sequence 92, Application US/10311507
; Publication No. US20040115630A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Method and nucleic acids for the analysis of astrocytomas
; FILE REFERENCE: 5013.1013
; CURRENT APPLICATION NUMBER: US/10/311.507
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07538
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 136
; SEQ ID NO 92
; LENGTH: 5546
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
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; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-507-92

Query Match          75.2%; Score 15.8; DB 17; Length 5546;
Best Local Similarity 89.5%; Pred.No. 4.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 AGGGGATTCGGAGATTGCG 20
DB      5406 AGAGGATTCGGAGATTGGG 5424
      |||||
      |||||

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Job time : 197.076 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 39.2977 Seconds  
(without alignments)  
310.678 Million cell updates/sec

Title: US-09-477-082-30  
Perfect score: 22  
Sequence: 1 cgtatattacattcgaaacga 22

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA: \*  
1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq: \*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq: \*  
3: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq: \*  
4: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq: \*  
5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq: \*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	15.6	70.9	720	4	US-09-134-000C-147
2	15.4	70.0	348	4	US-08-956-171E-1583
3	15.2	69.1	999	4	US-09-134-001C-1178
4	15.2	69.1	4212	4	US-09-221-017B-39
5	14.8	67.3	705	4	US-09-107-532A-2305
6	14.8	67.3	1992	4	US-09-134-078-57
7	14.8	67.3	2018	4	US-09-221-017B-1034
8	14.8	67.3	2043	4	US-09-134-078-11
9	14.8	67.3	2154	4	US-09-543-681A-1534
10	14.8	67.3	2237	4	US-08-914-999-7
11	14.8	67.3	2694	3	US-08-975-703-5
12	14.8	67.3	2694	3	US-09-515-884-5
13	14.8	67.3	2948	4	US-09-075-460-9
14	14.8	67.3	5455	4	US-10-204-708-33
15	14.6	66.4	400	4	US-08-956-171E-3986
16	14.6	66.4	469	1	US-08-468-347-23
17	14.6	66.4	469	1	US-08-226-264-25
18	14.6	66.4	469	1	US-08-467-389-23
19	14.6	66.4	469	2	US-08-779-379-23
20	14.6	66.4	469	2	US-08-469-219-23
21	14.6	66.4	469	3	US-09-228-152-23
22	14.6	66.4	476	4	US-09-621-976-15628
23	14.6	66.4	630	4	US-09-636-215-633
24	14.6	66.4	630	4	US-09-685-166A-633
25	14.6	66.4	780	4	US-09-134-001C-1631
26	14.6	66.4	951	4	US-09-543-681A-2898
27	14.6	66.4	1239	4	US-09-543-681A-4146

28 14.6 66.4 1245 4 US-09-107-532A-2460 Sequence 2460, Ap  
29 14.6 66.4 1407 4 US-09-023-655-412 Sequence 412, Ap  
30 14.6 66.4 1410 2 US-08-975-316-86 Sequence 86, Ap  
31 14.6 66.4 1410 4 US-09-615-192A-86 Sequence 86, Ap  
32 14.6 66.4 1410 4 US-09-169-789-86 Sequence 86, Ap  
33 14.6 66.4 1506 4 US-09-134-000C-1288 Sequence 1288, Ap  
34 14.6 66.4 1818 4 US-09-543-681A-719 Sequence 719, Ap  
35 14.6 66.4 2212 4 US-09-232-160-12 Sequence 12, Ap  
36 14.6 66.4 2217 4 US-09-107-532A-2564 Sequence 2564, Ap  
37 14.6 66.4 2710 4 US-09-800-729-16 Sequence 16, Ap  
38 14.6 66.4 2728 4 US-09-232-160-1 Sequence 1, Ap  
39 14.6 66.4 2752 4 US-09-800-729-50 Sequence 50, Ap  
40 14.6 66.4 3504 3 US-08-857-076-47 Sequence 47, Ap  
41 14.6 66.4 3959 1 US-08-474-067-1 Sequence 1, Ap  
42 14.6 66.4 3959 2 US-08-474-068A-1 Sequence 1, Ap  
43 14.6 66.4 3959 2 US-08-472-481-1 Sequence 1, Ap  
44 14.6 66.4 5444 4 US-09-566-921-114 Sequence 114, Ap  
45 14.6 66.4 8536 4 US-08-956-171E-278 Sequence 278, Ap

#### ALIGNMENTS

##### RESULT 1

US-09-134-000C-147

; Sequence 147, Application US/09134000C

; Patent No. 6617156

; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

; FILE REFERENCE: 032796-032

; CURRENT APPLICATION NUMBER: US/09/134,000C

; CURRENT FILING DATE: 1998-08-13

; PRIOR APPLICATION NUMBER: US 60/055,778

; PRIOR FILING DATE: 1997-08-15

; NUMBER OF SEQ ID NOS: 6812

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 147

; LENGTH: 720

; TYPE: DNA

; ORGANISM: Enterococcus faecalis

; US-09-134-000C-147

Query Match 70.9%; Score 15.6; DB 4; Length 720;

Best Local Similarity 81.8%; Pred. No. 93;

Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CGTATATCTACATTCGAAACGA 22

Db 588 CGTAGATCTACCTTCAAAACCA 609

##### RESULT 2

US-08-956-171E-1583/c

; Sequence 1583, Application US/08956171E

; Patent No. 6593114

; GENERAL INFORMATION:

; APPLICANT: Charles Kunsch

; Gil H. Choi

; Patrick S. Dillon

; Steven C. Barash

; Michael R. Fannon

; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

; NUMBER OF SEQUENCES: 5256

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PE248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1583:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 348 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1583:
US-08-956-171E-1583

Query Match 70.0%; Score 15.4; DB 4; Length 348;
Best Local Similarity 94.1%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TATATCTACATTGCAAA 19
DB 206 TATATCTACATTGAAA 190

RESULT 3
US-09-134-001C-1178/c
; Sequence 1178, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GPC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 1178
; LENGTH: 999
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-1178

Query Match 69.1%; Score 15.2; DB 4; Length 999;
Best Local Similarity 85.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 3 TATATCTACATTGCAAAACGA 22
DB 508 TATATCTACTATTGAAACGA 489

RESULT 4
US-09-221-017B-39/c
; Sequence 39, Application US/09221017B
```

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; Patent No. 6444799
; GENERAL INFORMATION:
; APPLICANT: Ross, Bruce C.
; TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
; NUMBER OF SEQUENCES: 1120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA: US/09/221,017B
; APPLICATION NUMBER: 09-APR-1998
; FILING DATE: 23-DEC-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP1182
; FILING DATE: 31-DEC-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP1546
; FILING DATE: 30-JAN-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP2911
; FILING DATE: 09-APR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/AU98/01023
; FILING DATE: 10-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Monroy, Gladys H
; REGISTRATION NUMBER: 32,430
; REFERENCE/DOCKET NUMBER: 27340-20021.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4212 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: UNKNOWN
; ORIGINAL SOURCE:
; ORGANISM: PORPHYROMONAS GINGIVALIS
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..4212
US-09-221-017B-39

Query Match 69.1%; Score 15.2; DB 4; Length 4212;
Best Local Similarity 85.0%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 3 TATATCTACATTGCAAAACGA 22
DB 2978 TATATATAATTAGAAACGA 2959

RESULT 5
US-09-107-532A-2305
; Sequence 2305, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
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/ OPERATING SYSTEM: Windows95
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/134,078
/ FILING DATE: 13-AUG-1998
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/949,026
/ FILING DATE: 10-OCT-1997
/ APPLICATION NUMBER: 60/056,916
/ FILING DATE: 06-DEC-1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Haile, Lisa A.
/ REGISTRATION NUMBER: 38,347
/ REFERENCE/DOCKET NUMBER: 09010/024002
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 858/677-1456
/ TELEFAX: 858/677-1465
/ INFORMATION FOR SEQ ID NO: 57:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1992 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: Genomic DNA
/ FEATURE:
/ NAME/KEY: Coding Sequence
/ LOCATION: 1...1989
/ US-09-134-078-57

Query Match 67.3%; Score 14.8; DB 4; Length 1982;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 ATATCTACATTCGAAACG 21
DB 1703 ACATCTACATTCGAAACG 1720

RESULT 7
US-09-221-017B-1034/c
/ Sequence 1034, Application US/09221017B
/ Patent No. 6444799
/ GENERAL INFORMATION:
/ APPLICANT: Ross, Bruce C.
/ TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
/ NUMBER OF SEQUENCES: 1120
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MORRISON & FOERSTER
/ STREET: 755 PAGE MILL ROAD
/ CITY: Palo Alto
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94304-1018
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM compatible
/ OPERATING SYSTEM: Windows
/ SOFTWARE: FastSeq for Windows Version 2.0b
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/221,017B
/ FILING DATE: 23-DEC-1998
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: PPI182
/ FILING DATE: 31-DEC-1997
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: PPI546
/ FILING DATE: 30-JAN-1998
/ PRIOR APPLICATION DATA: PP2911
/ APPLICATION NUMBER: PP2911
/ FILING DATE: 09-APR-1998
/ PRIOR APPLICATION DATA:

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; APPLICATION NUMBER: PCT/AU98/01023
; FILING DATE: 10-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: MONROY, Gladys H
; REGISTRATION NUMBER: 32,430
; REFERENCE/DOCKET NUMBER: 27340-20021.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 1034:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2043 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1...2040
; US-09-134-078-11

Query Match 67.3%; Score 14.8; DB 4; Length 2043;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 ATATCTACATTCGAAACG 21
DB 1754 ACATCTACATTCGAAACG 1771

RESULT 9
US-09-543-681A-1534/c
; Sequence 1534, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/138,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 1534
; LENGTH: 2154
; TYPE: DNA
; ORGANISM: Proteus mirabilis
; US-09-543-681A-1534

Query Match 67.3%; Score 14.8; DB 4; Length 2154;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTCGAA 18
DB 191 CGGATATCGACATTCGAA 174

RESULT 10
US-08-914-999-7/c
; Sequence 7, Application US/08914999
; Patent No. 6346406
; GENERAL INFORMATION:
; APPLICANT: RYAZANOV, Alexey G.
; APPLICANT: Hait, William N.
; APPLICANT: Pavur, Karen S.
; TITLE OF INVENTION: ELONGATION FACTOR-2 KINASE (EF-2 KINASE)
; TITLE OF INVENTION: AND METHODS OF USE THEREFOR
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; STREET: Floor
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

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; MOLECULE TYPE:  CDS
; HYPOTHETICAL:  NO
; ANTI-SENSE:  NO
; ORIGINAL SOURCE:
; ORGANISM:  Homo sapiens
; FEATURE:
; NAME/KEY:  CDS
; LOCATION:  1..2691
; US-08-975-703-5

Query Match      67.3%; Score 14.8; DB 3; Length 2694;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2  GTATATCTACATCGAA 19
Db      1103  GTATATCTAGATTAGAA 1120

RESULT 12
US-09-515-884-5
; Sequence 5, Application US/09515884
; Patent No. 6235263
; GENERAL INFORMATION:
; APPLICANT:  Wong, Alexander K.C.
; Bartel, Paul L.
; Teng, David H.-F.
; Tavtigian, Sean V.
; TITLE OF INVENTION:  A Carboxy-Terminal BRCA1 Interacting
; Protein
; NUMBER OF SEQUENCES:  41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE:  Rothwell, Figg, Ernst & Kurz, P.C.
; STREET:  555 Thirteenth Street, N.W., Suite 701 East
; Tower
; CITY:  Washington
; STATE:  DC
; COUNTRY:  U.S.A.
; ZIP:  20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE:  Floppy disk
; COMPUTER:  IBM PC compatible
; OPERATING SYSTEM:  PC-DOS/MS-DOS
; SOFTWARE:  PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER:  US/09/515,884
; FILING DATE:  29-Feb-2000
; CLASSIFICATION:  <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:  08/975,703
; FILING DATE:  <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME:  Saxe, Stephen A.
; REGISTRATION NUMBER:  38,609
; REFERENCE/DOCKET NUMBER:  2318-0174
; TELECOMMUNICATION INFORMATION:
; TELEPHONE:  202-624-1589
; TELEFAX:  202-783-6031
; INFORMATION FOR SEQ ID NO:  5:
; SEQUENCE CHARACTERISTICS:
; LENGTH:  2694 base pairs
; TYPE:  nucleic acid
; STRANDEDNESS:  double
; TOPOLOGY:  linear
; MOLECULE TYPE:  CDS
; HYPOTHETICAL:  NO
; ANTI-SENSE:  NO
; ORIGINAL SOURCE:
; ORGANISM:  Homo sapiens
; FEATURE:
; NAME/KEY:  CDS
; LOCATION:  1..2691
; SEQUENCE DESCRIPTION:  SEQ ID NO:  5:

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OM nucleic - nucleic search, using sw model

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(without alignments)  
566.594 Million cell updates/sec

Title: US-09-477-082-30

Perfect score: 22

Sequence: 1 cgtatattacattcgaaacga 22

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3327077 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq.\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq.\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq.\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq.\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq.\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq.\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq.\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq.\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq.\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*
- 13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq.\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq.\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq.\*
- 17: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*
- 18: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*
- 19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	17.2	78.2	2919	9	US-09-938-842A-2471
2	17.2	78.2	2919	11	US-09-938-842A-2471
3	17.2	78.2	9289	13	US-10-221-714A-223
C 4	17.2	78.2	151858	17	US-10-322-281-653
C 5	16.4	74.5	1349	17	US-10-466-531-18
6	16.2	73.6	599	13	US-10-027-632-229423
7	16.2	73.6	599	13	US-10-027-632-229424
8	16.2	73.6	599	16	US-10-027-632-229423
9	16.2	73.6	599	16	US-10-027-632-229424
C 10	16.2	73.6	846	13	US-10-282-122A-13705
11	16.2	73.6	894	16	US-10-369-493-28891
12	16.2	73.6	1439	17	US-10-437-963-33167
13	16.2	73.6	1857	16	US-10-369-493-29360
C 14	16.2	73.6	2909	15	US-10-128-714-168

C 15	16.2	73.6	3224	15	US-10-128-714-5168	Sequence 5168, Ap
C 16	16.2	73.6	6337	13	US-10-221-714A-172	Sequence 172, App
C 17	16.2	73.6	6337	15	US-10-311-455-1284	Sequence 1284, Ap
C 18	16.2	73.6	11527	14	US-10-108-605-70	Sequence 70, Appl
C 19	15.8	71.8	576	13	US-10-027-632-228022	Sequence 228022, Ap
C 20	15.8	71.8	576	16	US-10-027-632-228022	Sequence 228022, Ap
C 21	15.8	71.8	821	13	US-10-027-632-161722	Sequence 161722, Ap
C 22	15.8	71.8	821	16	US-10-027-632-161722	Sequence 161722, Ap
C 23	15.8	71.8	1386	13	US-10-424-599-115264	Sequence 115264, Ap
C 24	15.8	71.8	1998	16	US-10-151-469-15	Sequence 15, Appl
C 25	15.8	71.8	1998	16	US-10-422-523-13	Sequence 13, Appl
C 26	15.8	71.8	2007	16	US-10-398-221-662	Sequence 662, App
C 27	15.8	71.8	2007	16	US-10-398-221-2280	Sequence 2280, App
C 28	15.8	71.8	6849	17	US-10-240-589C-62	Sequence 62, Appl
C 29	15.8	71.8	1163020	16	US-10-398-221-10	Sequence 10, Appl
C 30	15.8	71.8	3011208	16	US-10-398-221-2058	Sequence 2058, Ap
C 31	15.6	70.9	364	13	US-10-424-599-21278	Sequence 21278, A
C 32	15.6	70.9	368	13	US-10-424-599-2182	Sequence 2182, Ap
C 33	15.6	70.9	669	13	US-10-027-632-224046	Sequence 224046, Ap
C 34	15.6	70.9	669	13	US-10-027-632-224047	Sequence 224047, Ap
C 35	15.6	70.9	669	13	US-10-027-632-224048	Sequence 224048, Ap
C 36	15.6	70.9	669	13	US-10-027-632-224049	Sequence 224049, Ap
C 37	15.6	70.9	669	16	US-10-027-632-224046	Sequence 224046, Ap
C 38	15.6	70.9	669	16	US-10-027-632-224047	Sequence 224047, Ap
C 39	15.6	70.9	669	16	US-10-027-632-224048	Sequence 224048, Ap
C 40	15.6	70.9	669	16	US-10-027-632-224049	Sequence 224049, Ap
C 41	15.6	70.9	1143	13	US-10-282-122A-20663	Sequence 20663, A
C 42	15.6	70.9	1254	13	US-10-282-122A-10560	Sequence 10560, A
C 43	15.6	70.9	1356	9	US-09-974-300-1167	Sequence 1167, Ap
C 44	15.6	70.9	1659	16	US-10-369-493-40539	Sequence 40539, A
C 45	15.6	70.9	1899	9	US-09-738-626-2486	Sequence 2486, Ap

ALIGNMENTS

RESULT 1

US-09-938-842A-2471

; Sequence 2471, Application US/09938842A

; Patent No. US20020160378A1

; GENERAL INFORMATION:

; APPLICANT: Harper, Jeff

; APPLICANT: Krepis, Joel

; APPLICANT: Wang, Xun

; APPLICANT: Zhu, Tong

; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING

; FILE REFERENCE: SCRIPI300-3

; CURRENT APPLICATION NUMBER: US/09/938,842A

; CURRENT FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: US 60/227,866

; PRIOR FILING DATE: 2000-08-24

; PRIOR APPLICATION NUMBER: US 60/264,647

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/300,111

; PRIOR FILING DATE: 2001-06-22

; NUMBER OF SEQ ID NOS: 5379

; SEQ ID NO 2471

; LENGTH: 2919

; TYPE: DNA

; ORGANISM: Arabidopsis thaliana

US-09-938-842A-2471

Query Match 78.2%; Score 17.2; DB 9; Length 2919;

Best Local Similarity 86.4%; Pred. No. 6.1e+02;

Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTCGAAACGA 22

Db 1918 CTTATATCTGCATTTGAAACGA 1939

RESULT 2

US-09-938-842A-2471  
 ; Sequence 2471, Application US/09938842A  
 ; Publication No. US2004009476A9  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Harper, Jeff  
 ; APPLICANT: Krepis, Joel  
 ; APPLICANT: Wang, Xun  
 ; APPLICANT: Zhu, Tong  
 ; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING  
 ; TITLE OF INVENTION: SAME, AND METHODS OF USE  
 ; FILE REFERENCE: SCRI1300-3  
 ; CURRENT APPLICATION NUMBER: US/09/938,842A  
 ; CURRENT FILING DATE: 2001-08-24  
 ; PRIOR APPLICATION NUMBER: US 60/227,866  
 ; PRIOR FILING DATE: 2000-08-24  
 ; PRIOR APPLICATION NUMBER: US 60/264,647  
 ; PRIOR FILING DATE: 2001-01-16  
 ; PRIOR APPLICATION NUMBER: US 60/300,111  
 ; PRIOR FILING DATE: 2001-06-22  
 ; NUMBER OF SEQ ID NOS: 5379  
 ; SEQ ID NO 2471  
 ; LENGTH: 2919  
 ; TYPE: DNA  
 ; ORGANISM: Arabidopsis thaliana  
 US-09-938-842A-2471

Query Match 78.2%; Score 17.2; DB 11; Length 2919;  
 Best Local Similarity 86.4%; Pred. No. 6.1e+02;  
 Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTCGAAACGA 22  
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 DB 1918 CTTATATCTGCATTGGAACGA 1939  
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RESULT 3  
 US-10-221-714A-223/c  
 ; Sequence 223, Application US/10221714A  
 ; Publication No. US20040048254A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: OLEK, Alexander  
 ; APPLICANT: PIEPENBROCK, Christian  
 ; APPLICANT: BERLIN, Kurt  
 ; TITLE OF INVENTION: Diagnosis of Diseases Associated with  
 ; TITLE OF INVENTION: tumor suppressor genes and oncogenes  
 ; FILE REFERENCE: 5013.1005  
 ; CURRENT APPLICATION NUMBER: US/10/221,714A  
 ; CURRENT FILING DATE: 2003-01-21  
 ; PRIOR APPLICATION NUMBER: PCT/EP01/02955  
 ; PRIOR FILING DATE: 2001-03-15  
 ; PRIOR APPLICATION NUMBER: DE 10013847.0  
 ; PRIOR FILING DATE: 2000-03-15  
 ; PRIOR APPLICATION NUMBER: DE 10013058.8  
 ; PRIOR FILING DATE: 2000-04-06  
 ; PRIOR APPLICATION NUMBER: DE 10019173.8  
 ; PRIOR FILING DATE: 2000-04-07  
 ; PRIOR APPLICATION NUMBER: DE 10032529.7  
 ; PRIOR FILING DATE: 2000-06-30  
 ; PRIOR APPLICATION NUMBER: DE 10043826.1  
 ; PRIOR FILING DATE: 2000-09-01  
 ; NUMBER OF SEQ ID NOS: 540  
 ; SEQ ID NO 223  
 ; LENGTH: 9289  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)  
 US-10-221-714A-223

Query Match 78.2%; Score 17.2; DB 13; Length 9289;  
 Best Local Similarity 86.4%; Pred. No. 6.9e+02;  
 Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTCGAAACGA 22  
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 DB 5667 CATATATCTACATCCGAATCGA 5646  
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RESULT 4  
 US-10-322-281-653/c  
 ; Sequence 653, Application US/10322281  
 ; Publication No. US20040126762A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: David W. Morris  
 ; APPLICANT: Marc S. Malandro  
 ; TITLE OF INVENTION: Novel Compositions and Methods in Cancer  
 ; FILE REFERENCE: 529452001000  
 ; CURRENT APPLICATION NUMBER: US/10/322,281  
 ; CURRENT FILING DATE: 2002-12-17  
 ; NUMBER OF SEQ ID NOS: 866  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 653  
 ; LENGTH: 151858  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: (1)...(151858)  
 ; OTHER INFORMATION: n = A, T, C or G  
 US-10-322-281-653

Query Match 78.2%; Score 17.2; DB 17; Length 151858;  
 Best Local Similarity 86.4%; Pred. No. 9.2e+02;  
 Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTCGAAACGA 22  
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 DB 135534 CGTTATCTACATTCGAAACGA 135513  
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RESULT 5  
 US-10-466-531-18/c  
 ; Sequence 18, Application US/10466531  
 ; Publication No. US2004016500A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: INCYTE CORPORATION; PANZER, Scott R.  
 ; APPLICANT: LINCOLN, Stephen E.; ALTUS, Christina M.;  
 ; APPLICANT: DUFOUR, Gerard E.; JACKSON, Jennifer L.;  
 ; APPLICANT: JONES, Anissa L.; DAM, Tam C.;  
 ; APPLICANT: LIU, Tommy F.; HARRIS, Bernard;  
 ; APPLICANT: FLORES, Vincent Z.; DAPFO, Abel;  
 ; APPLICANT: MARWAHA, Rakesh; CHEN, Alice J.;  
 ; APPLICANT: CHANG, Simon C.; GERSTIN JR., Edward H.;  
 ; APPLICANT: PERALTA, Careyna H.; DAVID, Marie H.;  
 ; APPLICANT: LEWIS, Samantha A.  
 ; TITLE OF INVENTION: SECRETORY MOLECULES  
 ; FILE REFERENCE: PT-1216 USN  
 ; CURRENT APPLICATION NUMBER: US/10/466,531  
 ; CURRENT FILING DATE: 2003-07-15  
 ; PRIOR APPLICATION NUMBER: PCT/US02/01340  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: US 60/261,865  
 ; PRIOR FILING DATE: 2001-01-16  
 ; PRIOR APPLICATION NUMBER: US 60/262,599  
 ; PRIOR FILING DATE: 2001-01-19  
 ; PRIOR APPLICATION NUMBER: US 60/263,329  
 ; PRIOR FILING DATE: 2001-01-19  
 ; PRIOR APPLICATION NUMBER: US 60/262,209  
 ; PRIOR FILING DATE: 2001-01-17  
 ; PRIOR APPLICATION NUMBER: US 60/263,131  
 ; PRIOR FILING DATE: 2001-01-19  
 ; PRIOR APPLICATION NUMBER: US 60/262,208  
 ; PRIOR FILING DATE: 2001-01-17  
 ; PRIOR APPLICATION NUMBER: US 60/262,164  
 ; PRIOR FILING DATE: 2001-01-17  
 ; PRIOR APPLICATION NUMBER: US 60/263,063

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; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: US 60/261,864
; PRIOR FILING DATE: 2001-01-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 152
; SOFTWARE: PERL Program
; SEQ ID NO 18
; LENGTH: 1349
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: incyte ID No: LI:239576.2:2001JAN12
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 568, 1179
; OTHER INFORMATION: a, t, c, g, or other
US-10-466-531-18

Query Match      74.5%; Score 16.4; DB 17; Length 1349;
Best Local Similarity 94.4%; Pred. No. 1.3e+03;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGTATCTACATTCGAA 18
Db 333 CATATCTACATTCGAA 316

RESULT 6
US-10-027-632-229423
; Sequence 229423, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 229423
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(599)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-229424

Query Match      73.6%; Score 16.2; DB 13; Length 599;
Best Local Similarity 85.7%; Pred. No. 1.5e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GTATATCTACATTCGAAACGA 22
Db 455 GAATATCTACATTAGAAAGA 475

RESULT 8
US-10-027-632-229423
; Sequence 229423, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 229423
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(599)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-229423

Query Match      73.6%; Score 16.2; DB 13; Length 599;
Best Local Similarity 85.7%; Pred. No. 1.5e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GTATATCTACATTCGAAACGA 22
Db 455 GAATATCTACATTAGAAAGA 475
```

```
RESULT 7
US-10-027-632-229424
; Sequence 229424, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 229424
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(599)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-229424

Query Match      73.6%; Score 16.2; DB 13; Length 599;
Best Local Similarity 85.7%; Pred. No. 1.5e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GTATATCTACATTCGAAACGA 22
Db 455 GAATATCTACATTAGAAAGA 475

RESULT 8
US-10-027-632-229423
; Sequence 229423, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 229424
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(599)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-229424
```

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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 229423
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1...599)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-6332-229423

```

Query Match	73.6%	Score 16.2;	DB 16;	Length 599;
Best Local Similarity	85.7%	Pred. No. 1.5e+03;		
Matches 18: Conservative	0;	Mismatches 3;	Indels 0;	Gaps 0;

Qy 2 GTATATCTACATTGAAACGA 22  
| | | | | | | | | |  
Dh 455 GAATATCTACATTAGAAAAGA 475

```

RESULT 9
US-10-027-632-229424
: Sequence 229424, Application US/10027632
: Publication No. US20030204075A9
: GENERAL INFORMATION:
: APPLICANT: Wang, David G.
: TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
: Polymorphisms in the Human Genome.

```

Query Match	73.6%	Score 16.2;	DB 16;	Length 599;
Best Local Similarity	85.7%	Pred. No. 1.5e+03;		
Matches 18: Conservative	0;	Mismatches 3;	Indels 0;	Gaps 0;

Qy 2 GTATATCTACATTGAAACGA 22  
| | | | | | | | | |  
Db 455 GAATATCTACATTAGAAAAGA 475

RESULT 10  
US-10-282-122A-13705/c  
; Sequence 13705, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos

```

; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Chisen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Porsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13705
; LENGTH: 846
; TYPE: DNA
; ORGANISM: Burkholderia fungorum
US-10-282-122A-13705

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Query Match 73.6%; Score 16.2; DB 13; Length 846;  
Best Local Similarity 85.7%; Pred. No. 1.5e+03;  
Matches 18: Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTCGAAACG 21  
|||||  
Dh 400 CGTAGATCGACATTGGAAACG 380

```

RESULT 11
US-10/369-493-28891
/ Sequence 28891, Application US/10369493
/ Publication No. US20030233675A1
/ GENERAL INFORMATION:
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Hinkle, Gregory J.
/ APPLICANT: Slater, Steven C.
/ APPLICANT: Goldman, Barry S.
/ APPLICANT: Chen, Xianfeng
/ TITLE OF INVENTION: EXPRESSION OF MICRO
/ TITLE OF INVENTION: PLANTS WITH IMPRO
/ FILE REFERENCE: 38-10(52052)B
/ CURRENT APPLICATION NUMBER: US/10/369,
/ CURRENT FILING DATE: 2003-02-28
/ PRIOR APPLICATION NUMBER: US 60/360,03
/ PRIOR FILING DATE: 2002-02-21
/ NUMBER OF SEQ ID NOS: 47374
/ SEQ ID NO 28891
/ LENGTH: 894
/ TYPE: DNA

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ORGANISM: *Caenorhabditis elegans*  
 US-10-369-493-28891

Query Match 73.6%; Score 16.2; DB 16; Length 894;  
 Best Local Similarity 85.7%; Pred. No. 1.5e+03;  
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GTATATCTACATTCGAAACG 22  
 |||||  
 DB 280 GAAATTTACATTCGAAACG 300

RESULT 12  
 US-10-437-963-35167  
 ; Sequence 35167, Application US/10437963  
 ; Publication No. US20040123343A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Hinkle, Gregory J.  
 ; APPLICANT: Slater, Steven C.  
 ; APPLICANT: Goldman, Barry S.  
 ; APPLICANT: Chen, Xianfeng  
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
 ; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES  
 ; FILE REFERENCE: 38-10(52052)/B  
 ; CURRENT APPLICATION NUMBER: US/10/369,493  
 ; PRIOR FILING DATE: 2003-02-28  
 ; PRIOR APPLICATION NUMBER: US 60/360,039  
 ; PRIOR FILING DATE: 2002-02-21  
 ; NUMBER OF SEQ ID NOS: 47374  
 ; SEQ ID NO 28360  
 ; LENGTH: 1857  
 ; TYPE: DNA  
 ; ORGANISM: *Caenorhabditis elegans*  
 US-10-369-493-29360

Query Match 73.6%; Score 16.2; DB 17; Length 1439;  
 Best Local Similarity 85.7%; Pred. No. 1.6e+03;  
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTCGAAACG 21  
 |||||  
 DB 714 CGTATATATACATCAGAAACG 734

RESULT 13  
 US-10-369-493-29360  
 ; Sequence 29360, Application US/10369493  
 ; Publication No. US20030233675A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Hinkle, Gregory J.  
 ; APPLICANT: Slater, Steven C.  
 ; APPLICANT: Goldman, Barry S.  
 ; APPLICANT: Chen, Xianfeng  
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
 ; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES  
 ; FILE REFERENCE: 38-10(52052)/B  
 ; CURRENT APPLICATION NUMBER: US/10/369,493  
 ; PRIOR FILING DATE: 2003-02-28  
 ; PRIOR APPLICATION NUMBER: US 60/360,039  
 ; PRIOR FILING DATE: 2002-02-21  
 ; NUMBER OF SEQ ID NOS: 47374  
 ; SEQ ID NO 28360  
 ; LENGTH: 1857  
 ; TYPE: DNA  
 ; ORGANISM: *Caenorhabditis elegans*  
 US-10-369-493-29360

ORGANISM: *Aspergillus fumigatus*  
 US-10-128-714-168

Query Match 73.6%; Score 16.2; DB 15; Length 2909;  
 Best Local Similarity 85.7%; Pred. No. 1.7e+03;  
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTCGAAACG 21  
 |||||  
 DB 2061 CTTATTGCTACATTCGAAACG 2041

RESULT 15  
 US-10-128-714-5168/c  
 ; Sequence 5168, Application US/10128714  
 ; Publication No. US20030119013A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jiang, Bo  
 ; APPLICANT: Hu, Wenqi  
 ; APPLICANT: Tishkoff, Daniel  
 ; APPLICANT: Zamudio, Carlos  
 ; APPLICANT: Broshkin, Alexey M  
 ; APPLICANT: Lemieux, Sebastien M  
 ; TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* and  
 ; TITLE OF INVENTION: Methods of Use  
 ; FILE REFERENCE: 10182-018-999  
 ; CURRENT APPLICATION NUMBER: US/10/128,714  
 ; PRIOR FILING DATE: 2002-04-23  
 ; PRIOR APPLICATION NUMBER: US 60/285,697  
 ; PRIOR FILING DATE: 2001-04-23  
 ; PRIOR APPLICATION NUMBER: US 60/287,066  
 ; PRIOR FILING DATE: 2001-04-27  
 ; PRIOR APPLICATION NUMBER: US 60/295,890  
 ; PRIOR FILING DATE: 2001-06-05  
 ; PRIOR APPLICATION NUMBER: US 60/303,899  
 ; PRIOR FILING DATE: 2001-07-09  
 ; PRIOR APPLICATION NUMBER: US 60/316,362  
 ; PRIOR FILING DATE: 2001-08-31  
 ; NUMBER OF SEQ ID NOS: 8603  
 ; SOFTWARE: Patent in version 3.1  
 ; SEQ ID NO 168  
 ; LENGTH: 2909  
 ; TYPE: DNA  
 ; ORGANISM: *Aspergillus fumigatus*  
 US-10-128-714-168

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; PRIOR APPLICATION NUMBER: US 60/303,899
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/316,362
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5168
; LENGTH: 3224
; TYPE: DNA
; ORGANISM: Aspergillus fumigatus
US-10-128-714-5168

Query Match      73.6%; Score 16.2; DB 15; Length 3224;
Best Local Similarity 85.7%; Pred. No. 1.7e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 CGTATATCTACATTCGAACG 21
DB      2376 CTTATTGCTACATTCGAACG 2356

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Search completed: September 16, 2004, 20:53:37  
Job time : 200.985 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 Seconds  
(without alignments)  
310.678 Million cell updates/sec

Title: US-09-477-082-31

Perfect score: 21

Sequence: 1 taggggattggagattgtga 21

Scoring table: IDENTITY\_NUC

Gapop 10\_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:\*

- 1: /cgn2\_6/prodata/2/ina/5A\_COMB.seq:\*
- 2: /cgn2\_6/prodata/2/ina/5B\_COMB.seq:\*
- 3: /cgn2\_6/prodata/2/ina/6A\_COMB.seq:\*
- 4: /cgn2\_6/prodata/2/ina/6B\_COMB.seq:\*
- 5: /cgn2\_6/prodata/2/ina/PTUS\_COMB.seq:\*
- 6: /cgn2\_6/prodata/2/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	16.8	80.0	168575	4	US-09-426-290-1
2	16.2	77.1	201	4	US-09-107-532A-337
3	15.8	75.2	987	4	US-09-543-681A-323
4	15.8	75.2	1664976	4	US-08-916-421B-1
5	15.2	72.4	348	4	US-09-702-708-1382
6	15.2	72.4	348	4	US-09-736-457-1382
7	15.2	72.4	348	4	US-09-614-124B-1382
8	15.2	72.4	348	4	US-09-671-325-1382
9	15.2	72.4	481	4	US-09-404-879A-46
10	15.2	72.4	481	4	US-09-338-933-46
11	15.2	72.4	481	4	US-09-215-681-46
12	15.2	72.4	481	4	US-09-216-003A-46
13	15.2	72.4	864	4	US-09-328-352-2079
14	15.2	72.4	872	4	US-09-016-434-6
15	15.2	72.4	3113	2	US-08-993-228-20
16	15.2	72.4	3240	3	US-09-262-773-7
17	15.2	72.4	3244	3	US-09-262-773-3
18	15.2	72.4	3264	3	US-09-262-773-5
19	15.2	72.4	3268	3	US-09-262-773-1
20	15.2	72.4	3771	1	US-07-876-280-5
21	15.2	72.4	3771	1	US-08-049-783-1
22	15.2	72.4	3771	1	US-08-158-232-5
23	15.2	72.4	3771	1	US-08-304-626-5
24	15.2	72.4	3771	1	US-08-316-301A-5
25	15.2	72.4	3771	1	US-08-611-928-5
26	15.2	72.4	3771	1	US-09-173-891-5
27	15.2	72.4	3771	3	US-09-076-137-5

Sequence 5, Appli  
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Sequence 564, App  
Sequence 6, Appli  
Sequence 206, App  
Sequence 9, Appli  
Sequence 210, App  
Sequence 1, Appli  
Sequence 16, Appli  
Sequence 17, Appli  
Sequence 37, Appli  
Sequence 44, Appli  
Sequence 3, Appli  
Sequence 187, App  
Sequence 3296, App  
Sequence 681, App  
Sequence 2, Appli  
Sequence 4, Appli

Sequence 5, Appli  
Sequence 5, Appli  
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Sequence 210, App  
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Sequence 37, Appli  
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Sequence 187, App  
Sequence 3296, App  
Sequence 681, App  
Sequence 2, Appli  
Sequence 4, Appli

#### ALIGNMENTS

##### RESULT 1

US-09-426-290-1  
; Sequence 1, Application US/09426290  
; Patent No. 6410712  
; GENERAL INFORMATION:  
; APPLICANT: Berglind Ran Olafsdottir  
; APPLICANT: Jeffrey Gulcher  
; TITLE OF INVENTION: HUMAN NARCOLEPSY GENE  
; FILE REFERENCE: 2345-2001-000  
; CURRENT APPLICATION NUMBER: US/09/426,290  
; CURRENT FILING DATE: 1999-10-25  
; NUMBER OF SEQ ID NOS: 24  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1

; LENGTH: 168575  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (21181)...(21403)  
; NAME/KEY: CDS  
; LOCATION: (95252)...(95430)  
; NAME/KEY: CDS  
; LOCATION: (101753)...(101996)  
; NAME/KEY: CDS  
; LOCATION: (110324)...(110439)  
; NAME/KEY: CDS  
; LOCATION: (124058)...(124278)  
; NAME/KEY: CDS  
; LOCATION: (127009)...(127130)  
; NAME/KEY: CDS  
; LOCATION: (128910)...(129139)  
; US-09-426-290-1

Query March 80.0% Score 16.8; DB 4; Length 168575;  
Best Local Similarity 90.0%; Pred. No. 1.le+02;  
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21

Db 29456 AGGGGATTGGAGATTGTGA 29475

##### RESULT 2

US-09-107-532A-337/c  
; Sequence 337, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

## ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 7310  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: GNOVE THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
CITY: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354

COMPUTER READABLE FORM:  
MEDIUM TYPE: CD/ROM ISO9660  
COMPUTER: PC

OPERATING SYSTEM: <Unknown>  
SOFTWARE: ASCII

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A  
FILING DATE: 30-Jun-1998

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/085,598  
FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571  
FILING DATE: July 2, 1997

## ATTORNEY/AGENT INFORMATION:

NAME: Ariniello, Pamela Deneka  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-012  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781)893-5007  
TELEFAX: (781)893-8277

## INFORMATION FOR SEQ ID NO: 337:

SEQUENCE CHARACTERISTICS:  
LENGTH: 201 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Enterococcus faecium

## FEATURE:

NAME/KEY: misc feature  
LOCATION: (B) LOCATION 1...201  
SEQUENCE DESCRIPTION: SEQ ID NO: 337:

US-09-107-532A-337

Query Match 77.1%; Score 16.2; DB 4; Length 201;  
Best Local Similarity 85.7%; Pred. No. 1.1e+02;  
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TAGGGGATTTGGAGATTGCA 21  
|||||

Db 161 TAGGGAAGTTGGAGATTGCA 141  
|||||

## RESULT 3

US-09-543-681A-323  
Sequence 323, Application US/09543681A  
Patent No. 6605709

## GENERAL INFORMATION:

APPLICANT: GARY BRETON  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
FILE REFERENCE: 2709.1002-001  
CURRENT APPLICATION NUMBER: US/09/543,681A

PRIOR FILING DATE: 2000-04-05

PRIOR APPLICATION NUMBER: US 60/128,706

PRIOR FILING DATE: 1999-04-09

NUMBER OF SEQ ID NOS: 8344

SEQ ID NO 323

LENGTH: 987

TYPE: DNA

ORGANISM: Proteus mirabilis

US-09-543-681A-323

Query Match 75.2%; Score 15.8; DB 4; Length 987;  
Best Local Similarity 89.5%; Pred. No. 1.9e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGGATTTGGAGATTGCT 19  
|||||

Db 200 TAGGGGATTTGGAGATTAGT 218  
|||||

## RESULT 4

US-08-916-421B-1/c  
Sequence 1, Application US/08916421B

Patent No. 6503729

## GENERAL INFORMATION:

APPLICANT: Bult et al.  
TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus  
Patent No. 6503729  
TITLE OF INVENTION: jannaschii

FILE REFERENCE: PB275

CURRENT APPLICATION NUMBER: US/08/916,421B

CURRENT FILING DATE: 1997-08-22

PRIOR APPLICATION NUMBER: US 60/024,428

PRIOR FILING DATE: 1996-08-22

NUMBER OF SEQ ID NOS: 3

SOFTWARE: PatentIn version 3.1

SEQ ID NO 1

LENGTH: 1664976

TYPE: DNA

ORGANISM: Methanococcus jannaschii

## FEATURE:

NAME/KEY: misc feature

LOCATION: (28222)..(28222)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (28257)..(28258)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (84773)..(84773)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (84808)..(84808)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

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NAME/KEY: misc feature

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OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (98159)..(98159)

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NAME/KEY: misc feature

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NAME/KEY: misc feature

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NAME/KEY: misc feature

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NAME/KEY: misc feature

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2 LOCATION: (1084930)..(1084830)
3 OTHER INFORMATION: n equals a, t, c, or g
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Query Match	75.2%	Score 15.8;	DB 4;	Length 1664976;
Best Local Similarity	89.5%;	Pred. No. 2.3e+02;		
Matches 17: Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0;

Qy 3 GCGGATTGGAGATTGTGA 21  
Dp 412121 GGAGATTGGAGATTGAGA 412103

RESULT 5  
US-09-702-705-1382/C  
; Sequence 1382, Application US/09702705  
; Patent No. 6504010  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Bangur, Chaitanya S.  
; APPLICANT: Lodes, Michael A.  
; APPLICANT: Fanger, Gary  
; APPLICANT: Vedvick, Tom  
; APPLICANT: Carter, Darrick  
; APPLICANT: Retter, Marc  
; APPLICANT: Mannion, Jane  
; APPLICANT: Fan, Liqun  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER  
; FILE REFERENCE: 21021.478C14  
; CURRENT APPLICATION NUMBER: US/09/702,705  
; CURRENT FILING DATE: 2000-10-30  
; NUMBER OF SEQ ID NOS: 1833

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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1382
; LENGTH: 348
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-702-705-1382

Query Match          72.4%; Score 15.2; DB 4; Length 348;
Best Local Similarity 85.0%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 316 AGGCGCTTTGGAGATTCTGA 297

RESULT 6
US-09-736-457-1382/c
; Sequence 1382, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1382
; LENGTH: 348
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-736-457-1382

Query Match          72.4%; Score 15.2; DB 4; Length 348;
Best Local Similarity 85.0%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 316 AGGCGCTTTGGAGATTCTGA 297

RESULT 7
US-09-614-124B-1382/c
; Sequence 1382, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.478C9
; CURRENT APPLICATION NUMBER: US/09/614,124B
; CURRENT FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 1668
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 1382
; LENGTH: 348
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-614-124B-1382

Query Match          72.4%; Score 15.2; DB 4; Length 348;
Best Local Similarity 85.0%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 316 AGGCGCTTTGGAGATTCTGA 297

RESULT 8
US-09-671-325-1382/c
; Sequence 1382, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1382
; LENGTH: 348
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-671-325-1382

Query Match          72.4%; Score 15.2; DB 4; Length 348;
Best Local Similarity 85.0%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 316 AGGCGCTTTGGAGATTCTGA 297

RESULT 9
US-09-404-879A-46/c
; Sequence 46, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 46
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-404-879A-46

Query Match          72.4%; Score 15.2; DB 4; Length 481;
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Best Local Similarity 85.0%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGATTTGGAGATTGTG 20
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Db 117 TAGGCTATTGGAGATGTG 98

RESULT 10
US-09-338-933-46/c
; Sequence 46, Application US/09338933
; Patent No. 6488931
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer Lynn
; APPLICANT: King, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF
; TITLE OF INVENTION: OVARIAN CANCER
; FILE REFERENCE: 210121.452C1
; CURRENT APPLICATION NUMBER: US/09/338.933
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 312
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 46
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-338-933-46

Query Match 72.4%; Score 15.2; DB 4; Length 481;
Best Local Similarity 85.0%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGATTTGGAGATTGTG 20
    ||||| ||||| ||||| ||||| |||||
Db 117 TAGGCTATTGGAGATGTG 98

RESULT 11
US-09-215-681-46/c
; Sequence 46, Application US/09215681A
; Patent No. 6528253
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; APPLICANT: King, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
; TITLE OF INVENTION: OF OVARIAN CANCER
; FILE REFERENCE: 210121.463
; CURRENT APPLICATION NUMBER: US/09/215.681A
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 46
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-215-681-46

Query Match 72.4%; Score 15.2; DB 4; Length 481;
Best Local Similarity 85.0%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGATTTGGAGATTGTG 20
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Db 117 TAGGCTATTGGAGATGTG 98

RESULT 12
US-09-216-003A-46/c
; Sequence 46, Application US/09216003A
; Patent No. 6670463
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; APPLICANT: King, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF OVARIAN CANCER
; FILE REFERENCE: 210121.462
; CURRENT APPLICATION NUMBER: US/09/216.003A
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-216-003A-46

Query Match 72.4%; Score 15.2; DB 4; Length 481;
Best Local Similarity 85.0%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGATTTGGAGATTGTG 20
    ||||| ||||| ||||| ||||| |||||
Db 117 TAGGCTATTGGAGATGTG 98

RESULT 13
US-09-328-352-2079
; Sequence 2079, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328.352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2079
; LENGTH: 864
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-2079

Query Match 72.4%; Score 15.2; DB 4; Length 864;
Best Local Similarity 85.0%; Pred. No. 3.5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGATTTGGAGATTGTGA 21
    ||||| ||||| ||||| ||||| |||||
Db 618 AGCGATTGTGATTTGTGA 637

RESULT 14
US-09-016-434-6
; Sequence 6, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/09/016,434  
FILING DATE: HEREWITH  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0002 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 872 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: THP1PB01  
CLONE: 011615  
US-09-016-434-6

Query Match 72.4%; Score 15.2; DB 4; Length 872;  
Best Local Similarity 85.0%; Pred. No. 3.5e+02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 AGGGGATTGGAGATTGTGA 21  
Db 538 AGGAGATTCGAGATTATGA 557

RESULT 15  
US-08-993-228-20  
Sequence 20, Application US/08993228  
Patent No. 5976838  
GENERAL INFORMATION:  
APPLICANT: Jacobs, Kenneth  
APPLICANT: McCoy, John M.  
APPLICANT: Lavallie, Edward R.  
APPLICANT: Racie, Lisa A.  
APPLICANT: Merberg, David  
APPLICANT: Treacy, Maurice  
APPLICANT: Spaulding, Vikki  
APPLICANT: Agostino, Michael J.  
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES  
TITLE OF INVENTION: ENCODING THEM  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 CambridgePark Drive  
CITY: Cambridge  
STATE: MA  
COUNTRY: U.S.A.  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/993,228  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Sprunger, Suzanne A.  
REGISTRATION NUMBER: 41,323  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8284  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 20:

SEQUENCE CHARACTERISTICS:  
LENGTH: 3113 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
US-08-993-228-20

Query Match 72.4%; Score 15.2; DB 2; Length 3113;  
Best Local Similarity 85.0%; Pred. No. 4e+02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 AGGGGATTGGAGATTGTGA 21  
Db 407 AGGGAATTGGAGGCTGTGA 426

Search completed: September 16, 2004, 16:26:47  
Job time : 43.5115 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 : Search time 187.076 Seconds  
(without alignments)  
566.594 Million cell updates/sec

Title: US-09-477-082-31

Perfect score: 21

Sequence: 1 taggggatttgagattgtga 21

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3327077 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq\*
- 3: /cgn2\_6/ptodata/2/pubpna/US05\_NEW\_PUB.seq\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq\*
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- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq\*
- 13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq2\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq\*
- 17: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq\*
- 18: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq\*
- 19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18.4	87.6	5518	15	US-10-311-455-190
2	18.4	87.6	5518	15	Sequence 190, App
3	17.8	84.8	4369	16	US-10-240-452-18
4	17.8	84.8	9870	16	Sequence 18, Appl
5	17.8	84.8	9870	16	Sequence 1401, Ap
6	17.8	84.8	13377	13	US-10-115-831-118
7	17.8	84.8	13377	13	Sequence 118, App
8	16.8	80.0	356	13	US-10-221-714A-197
9	16.8	80.0	356	13	US-10-311-455-1435
10	16.8	80.0	551	15	Sequence 1435, App
11	16.8	80.0	551	15	Sequence 107823,
12	16.8	80.0	642	13	US-10-029-386-9317
13	16.8	80.0	642	13	Sequence 9317, Ap
14	16.8	80.0	642	13	Sequence 13512, A
15	16.8	80.0	642	13	Sequence 250518,
16	16.8	80.0	642	13	Sequence 250519,
17	16.8	80.0	642	13	Sequence 250518
18	16.8	80.0	642	16	US-10-027-632-250518
19	16.8	80.0	642	16	Sequence 250519,
20	16.8	80.0	642	16	US-10-027-632-250519

C 15	16.8	80.0	715	13	US-10-027-632-30018	Sequence 30018, A
C 16	16.8	80.0	715	16	US-10-027-632-30018	Sequence 30018, A
C 17	16.8	80.0	2369	13	US-10-424-599-30244	Sequence 30244, A
C 18	16.8	80.0	2734	13	US-10-424-599-30244	Sequence 52606, A
C 19	16.8	80.0	6127	15	US-10-311-455-565	Sequence 565, App
C 20	16.8	80.0	21000	10	US-09-975-123-11	Sequence 11, Appl
C 21	16.8	80.0	168575	15	US-10-178-194-1	Sequence 1, Appl
C 22	16.8	80.0	367378	15	US-10-312-841-2	Sequence 2, Appl
C 23	16.4	78.1	251	17	US-10-437-963-12076	Sequence 12076, A
C 24	16.4	78.1	360	13	US-10-335-977-3672	Sequence 3672, Ap
C 25	16.4	78.1	463	13	US-10-085-783A-57394	Sequence 57394, A
C 26	16.4	78.1	463	16	US-10-242-535A-57394	Sequence 57394, A
C 27	16.4	78.1	509	13	US-10-027-632-238826	Sequence 238826,
C 28	16.4	78.1	509	16	US-10-027-632-238826	Sequence 298826,
C 29	16.4	78.1	691	13	US-10-027-632-214212	Sequence 214212,
C 30	16.4	78.1	691	16	US-10-027-632-214212	Sequence 214212,
C 31	16.4	78.1	840	13	US-10-027-632-163906	Sequence 163906,
C 32	16.4	78.1	840	16	US-10-027-632-163906	Sequence 163906,
C 33	16.4	78.1	846	13	US-10-335-977-3673	Sequence 3673, Ap
C 34	16.4	78.1	981	9	US-09-815-242-7388	Sequence 7388, Ap
C 35	16.4	78.1	1196	17	US-10-767-701-12513	Sequence 12513, A
C 36	16.4	78.1	1288	13	US-10-424-599-39748	Sequence 39748, A
C 37	16.4	78.1	3256	16	US-10-108-260A-798	Sequence 798, App
C 38	16.4	78.1	11358	17	US-10-433-485A-3	Sequence 3, Appl
C 39	16.2	77.1	186	15	US-10-102-524-97	Sequence 97, Appl
C 40	16.2	77.1	404	17	US-10-767-701-27172	Sequence 27172, A
C 41	16.2	77.1	422	9	US-09-757-417-23	Sequence 23, Appl
C 42	16.2	77.1	422	15	US-10-043-945-23	Sequence 23, Appl
C 43	16.2	77.1	430	10	US-09-918-995-33366	Sequence 33366, A
C 44	16.2	77.1	475	10	US-09-918-995-34536	Sequence 34536, A
C 45	16.2	77.1	476	13	US-10-085-783A-26192	Sequence 26192, A

ALIGNMENTS

RESULT 1

US-10-311-455-190  
; Sequence 190, Application US/10311455  
; Publication No. US20030143606A1  
; GENERAL INFORMATION:  
; APPLICANT: OLEK, Alexander  
; APPLICANT: PIEPENBROCK, Christian  
; APPLICANT: BERLIN, Kurt  
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining the Methylation Status of Cytosine Residues  
; TITLE OF INVENTION: cytosine methylation  
; FILE REFERENCE: 5013.1014  
; CURRENT APPLICATION NUMBER: US/10/311,455  
; PRIOR FILING DATE: 2002-12-16  
; PRIOR APPLICATION NUMBER: PCT/EP01/07537  
; PRIOR FILING DATE: 2001-07-02  
; PRIOR APPLICATION NUMBER: DE 10032529.7  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: DE 10043826.1  
; PRIOR FILING DATE: 2000-09-01  
; NUMBER OF SEQ ID NOS: 2424  
; SEQ ID NO 190  
; LENGTH: 5518  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)  
US-10-311-455-190

Query Match 87.6%; Score 18.4; DB 15; Length 5518;  
Best Local Similarity 95.0%; Pred. No. 91;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 TAGGGATTGAGATTGTG 20

Db 46 TAGGGATTGAGATTGTG 65

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RESULT 2
US-10-240-452-18
; Sequence 18, Application US/10240452
; Publication No. US20030162194A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Apoptosis
; FILE REFERENCE: 5013.1006
; CURRENT APPLICATION NUMBER: US/10/240,452
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03969
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 78
; SEQ ID NO 18
; LENGTH: 5518
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-452-18

Query Match      87.8%; Score 18.4; DB 15; Length 5518;
Best Local Similarity 95.0%; Pred. No. 91; Indels 0; Gaps 0;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 TAGGGGATTTGGAGATTGTG 20
DB      46 TAGGGGATTAGGAGATTGTG 65

RESULT 3
US-10-108-260A-1401
; Sequence 1401, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20040005560A1e1 full length cDNA
; FILE REFERENCE: HI-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; PRIOR FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1401
; LENGTH: 4369
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-1401

Query Match      84.8%; Score 17.8; DB 16; Length 4369;
Best Local Similarity 90.5%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 TAGGGGATTTGGAGATTGTGA 21
DB      1369 TAGGGCTTTGGAGATTGTGA 1389

RESULT 4
US-10-115-831-118
; Sequence 118, Application US/10115831
; Publication No. US20030219743A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
```

```
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Dtranac, Radoje T.
; TITLE OF INVENTION: No. US20030219743A1e1 Nucleic Acids and
; FILE REFERENCE: Polypeptides
; CURRENT APPLICATION NUMBER: US/10/115,831
; PRIOR FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/667,298
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/577,408
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 178
; SOFTWARE: Pt_FL_genes Version 2.0
; SEQ ID NO 118
; LENGTH: 9870
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (3442)..(9390)
US-10-115-831-118

Query Match      84.8%; Score 17.8; DB 16; Length 9870;
Best Local Similarity 90.5%; Pred. No. 1.9e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 TAGGGGATTTGGAGATTGTGA 21
DB      4505 TAGGGCTTTGGAGATTGTGA 4525

RESULT 5
US-10-221-714A-197
; Sequence 197, Application US/10221714A
; Publication No. US20040048254A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; FILE REFERENCE: 5013.1005
; CURRENT APPLICATION NUMBER: US/10/221,714A
; PRIOR FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: PCT/EP01/02955
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: DE 10013847.0
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 540
; SEQ ID NO 197
; LENGTH: 13377
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-714A-197

Query Match      84.8%; Score 17.8; DB 13; Length 13377;
Best Local Similarity 90.5%; Pred. No. 1.9e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 TAGGGGATTTGGAGATTGTGA 21
DB      1369 TAGGGCTTTGGAGATTGTGA 1389
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Db 1704 TAAGGATTGGAGATTGTTA 1724

RESULT 6

US-10-311-455-1435

; Sequence 1435, Application US/10311455

; Publication No. US20030143606A1

; GENERAL INFORMATION:

; APPLICANT: OLEK, Alexander

; APPLICANT: BERLIN, Kurt

; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation

; FILE REFERENCE: 5013.1014

; CURRENT APPLICATION NUMBER: US/10/311,455

; PRIOR FILING DATE: 2002-12-16

; PRIOR APPLICATION NUMBER: PCT/EP01/07537

; PRIOR FILING DATE: 2001-07-02

; PRIOR APPLICATION NUMBER: DE 10032529.7

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: DE 10043826.1

; PRIOR FILING DATE: 2000-09-01

; NUMBER OF SEQ ID NOS: 2424

; SEQ ID NO 1435

; LENGTH: 13377

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-311-455-1435

Query Match 84.8%; Score 17.8; DB 15; Length 13377;

Best Local Similarity 90.5%; Pred. No. 1.9e+02;

Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGATTGGAGATTGGA 21

Db 1704 TAAGGATTGGAGATTGTTA 1724

RESULT 7

US-10-221-613-214

; Sequence 214, Application US/10221613

; Publication No. US20040029123A1

; GENERAL INFORMATION:

; APPLICANT: OLEK, Alexander

; APPLICANT: PIEPENROCK, Christian

; TITLE OF INVENTION: Diagnosis of Diseases Associated with Cell Cycle

; FILE REFERENCE: 5013.1004

; CURRENT APPLICATION NUMBER: US/10/221,613

; CURRENT FILING DATE: 2002-09-13

; PRIOR APPLICATION NUMBER: PCT/EP01/02945

; DE 10013847.00

; DE 10019058.8

; DE 10019173.8

; DE 10032529.7

; DE 10043826.1

; PRIOR FILING DATE: 2001-03-15

; 2000-03-15

; 2000-04-06

; 2000-04-07

; 2000-06-30

; 2000-09-01

; NUMBER OF SEQ ID NOS: 428

; SEQ ID NO 214

; LENGTH: 16914

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

; NAME/KEY: unsure

; LOCATION: (422, 441, 608, 660, 664, 680, 696, 720, 749, 792..793, 1637)

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (1643, 1665, 2367, 2383, 2458, 2555, 2559, 2581, 2587, 2828)

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (3248, 3257, 3268, 3300, 3386, 3390, 3398, 3869, 4126, 4571)

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (4656, 4661, 4841, 4905, 4926, 4931, 4939, 4945, 4960, 4977)

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (4989, 5032, 5154, 5156, 5734, 5993, 6255, 6602)

US-10-221-613-214

Query Match 81.0%; Score 17; DB 13; Length 16914;

Best Local Similarity 100.0%; Pred. No. 4.7e+02;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGGATTGGAGATT 17

Db 5123 TAGGGATTGGAGATT 5139

RESULT 8

US-10-424-599-107823

; Sequence 107823, Application US/10424599

; Publication No. US20040031072A1

; GENERAL INFORMATION:

; APPLICANT: La Rosa Thomas J

; APPLICANT: Kovalic David K

; APPLICANT: Zhou Yihua

; APPLICANT: Cao Yongwei

; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

; FILE REFERENCE: 38-21(53223)B

; CURRENT APPLICATION NUMBER: US/10/424,599

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 285684

; SEQ ID NO 107823

; LENGTH: 356

; TYPE: DNA

; ORGANISM: Glycine max

; FEATURE:

; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_68380C.1

US-10-424-599-107823

Query Match 80.0%; Score 16.8; DB 13; Length 356;

Best Local Similarity 90.0%; Pred. No. 3.8e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGATTGGAGATTGTG 20

Db 218 TATGGGATATGGAGATTGTG 237

RESULT 9

US-10-029-386-9317/c

; Sequence 9317, Application US/10029386

; Publication No. US20030194704A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GE

; FILE REFERENCE: AEOMICA-X-2

; CURRENT APPLICATION NUMBER: US/10/029,386

; CURRENT FILING DATE: 2001-12-20

; NUMBER OF SEQ ID NOS: 34288

; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 9317

; LENGTH: 551

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; TYPE: DNA
; FEATURE:
; ORGANISM: Homo sapiens
; OTHER INFORMATION: MAP TO AC010494.4
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.77
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.39
; OTHER INFORMATION: EST_HUMAN HIT: AA372001.1, EVALUATE 1.00e-85
; OTHER INFORMATION: SWISSPROT HIT: P08640, EVALUATE 6.00e-01
; OTHER INFORMATION: NT HIT: G17706558, EVALUATE 1.00e-85
US-10-029-386-9317

Query Match      80.0%; Score 16.8; DB 15; Length 551;
Best Local Similarity 90.0%; Pred. No. 4e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 2;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 438 AGGGGATGTGAAGATTGTGA 419

RESULT 10
US-10-021-323-13512/c
; Sequence 13512, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C. C.
; APPLICANT: Fincher, Karen L.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021.323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 13512
; LENGTH: 551
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3829-011-Q6-N6-D7
US-10-021-323-13512

Query Match      80.0%; Score 16.8; DB 17; Length 551;
Best Local Similarity 90.0%; Pred. No. 4e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 2;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 167 AGGAGATTTCAGATTGTGA 148

RESULT 11
US-10-027-632-250518
; Sequence 250518, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250519
; LENGTH: 642
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; OTHER INFORMATION: Polymorphisms in the Human Genome
US-10-027-632-250519

Query Match      80.0%; Score 16.8; DB 13; Length 642;
Best Local Similarity 90.0%; Pred. No. 4.1e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 2;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 38 AGGGAATTGGAGATTGGGA 57

RESULT 13
US-10-027-632-250518
; Sequence 250518, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24

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; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250518
; LENGTH: 642
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250518

Query Match      80.0%; Score 16.8; DB 13; Length 642;
Best Local Similarity 90.0%; Pred. No. 4.1e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 2;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 38 AGGGAATTGGAGATTGGGA 57

RESULT 12
US-10-027-632-250519
; Sequence 250519, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250519
; LENGTH: 642
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250519

Query Match      80.0%; Score 16.8; DB 13; Length 642;
Best Local Similarity 90.0%; Pred. No. 4.1e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 2;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 38 AGGGAATTGGAGATTGGGA 57

RESULT 13
US-10-027-632-250518
; Sequence 250518, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24

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; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILLING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILLING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILLING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILLING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILLING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILLING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILLING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILLING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250518
; LENGTH: 642
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250518
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Query Match      80.0%; Score 16.8; DB 16; Length 642;
Best Local Similarity 90.0%; Pred. No. 4.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 2 AGGGAATTGGAGATTGTGA 21

Db 38 AGGGAATTGGAGATTGGGA 57

## RESULT 14

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US-10-027-632-250519
; Sequence 250519, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILLING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILLING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILLING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILLING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILLING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILLING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILLING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILLING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250519
; LENGTH: 642
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250519
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Query Match      80.0%; Score 16.8; DB 16; Length 642;
Best Local Similarity 90.0%; Pred. No. 4.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 2 AGGGAATTGGAGATTGTGA 21

Db 38 AGGGAATTGGAGATTGGGA 57

## RESULT 15

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US-10-027-632-30018/c
; Sequence 30018, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILLING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILLING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILLING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILLING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILLING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILLING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILLING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30018
; LENGTH: 715
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-30018
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Query Match      80.0%; Score 16.8; DB 13; Length 715;
Best Local Similarity 90.0%; Pred. No. 4.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 1 TAGGGATTGGAGATTGTG 20

Db 377 TAGGAGATTGGAGATAGTG 358

Search completed: September 16, 2004, 20:53:42  
Job time : 192.076 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 44.6565 Seconds  
(without alignments)  
310.678 Million cell updates/sec

Title: US-09-477-082-32

Perfect score: 25  
Sequence: 1 ccataatatattacattcaaacaa 25

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA: \*  
1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq: \*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq: \*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq: \*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq: \*  
5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq: \*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18.6	74.4	798	4	US-09-280-116-82
2	18.6	74.4	1230025	4	US-09-198-452A-1
3	18.2	72.8	262	4	US-09-313-294A-2303
4	18.2	72.8	1386	2	US-08-687-080-76
5	18.2	72.8	1755	4	US-09-328-352-3746
6	18.2	72.8	2427	4	US-09-601-198-70
7	18.2	72.8	7037	4	US-09-853-768-3
8	18.2	72.8	19124	2	US-08-487-836B-13
9	17.6	70.4	257	4	US-09-313-294A-2295
10	17.6	70.4	759	4	US-09-107-532A-803
11	17.6	70.4	1200	4	US-09-540-236-576
12	17.6	70.4	1995	4	US-09-620-312D-908
13	17.6	70.4	6182	4	US-10-204-708-88
14	17.6	70.4	11570	3	US-09-345-217-1
15	17.6	70.4	89047	4	US-09-596-002-34
16	17.6	70.4	152331	3	US-09-128-155-16
17	17.2	68.8	297	1	US-08-616-368A-17
18	17.2	68.8	297	3	US-09-054-298-17
19	17.2	68.8	297	3	US-08-818-655-17
20	17.2	68.8	297	4	US-09-305-839-17
21	17.2	68.8	342	4	US-09-134-001C-2219
22	17.2	68.8	357	4	US-08-956-171E-2525
23	17.2	68.8	498	4	US-09-328-352-3435
24	17.2	68.8	1715	4	US-09-023-655-984
25	17.2	68.8	2111	2	US-08-966-316-6
26	17.2	68.8	5954	4	US-09-023-905A-6
27	17	68.0	381	4	US-09-540-236-844

C	28	17	68.0	453	4	US-09-107-532A-3443	Sequence 3443, Ap
	29	17	68.0	459	4	US-09-107-532A-943	Sequence 943, App
	30	17	68.0	468	4	US-09-543-681A-1682	Sequence 1682, Ap
	31	17	68.0	945	4	US-08-858-207A-111	Sequence 111, App
	32	17	68.0	1089	4	US-09-543-681A-895	Sequence 895, App
C	33	17	68.0	1452	4	US-09-328-352-2145	Sequence 2145, App
	34	17	68.0	1952	3	US-09-315-444-115	Sequence 115, App
	35	17	68.0	1952	4	US-09-721-362-115	Sequence 115, App
	36	17	68.0	3652	4	US-08-961-527-251	Sequence 251, App
	37	17	68.0	10754	2	US-08-966-958-1	Sequence 1, Appli
	38	17	68.0	10754	2	US-09-215-817-1	Sequence 1, Appli
	39	17	68.0	10754	3	US-09-342-353-1	Sequence 1, Appli
	40	17	68.0	33248	4	US-09-596-002-24	Sequence 24, Appl
	41	17	68.0	48328	4	US-09-596-002-27	Sequence 27, Appl
C	42	17	68.0	786431	4	US-09-751-389-3	Sequence 3, Appli
	43	17	68.0	1230025	4	US-09-198-452A-1	Sequence 1, Appli
C	44	16.8	67.2	1664976	4	US-08-916-421B-1	Sequence 1, Appli
C	45	16.6	66.4	57	1	US-08-273-594-33	Sequence 33, Appl

ALIGNMENTS

RESULT 1  
US-09-280-116-82  
; Sequence 82, Application US/09280116A  
; Patent No. 633427  
; GENERAL INFORMATION:  
; APPLICANT: Robison, Keith E.  
; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs  
; FILE REFERENCE: 5800-24, 035800/176965  
; CURRENT APPLICATION NUMBER: US/09/280,116A  
; CURRENT FILING DATE: 1999-03-26  
; NUMBER OF SEQ ID NOS: 268  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 82  
; LENGTH: 798  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: matrix metalloproteases  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(798)  
; OTHER INFORMATION: n = a, t, c or g  
US-09-280-116-82

Query Match 74.4%; Score 18.6; DB 4; Length 798;  
Best Local Similarity 84.0%; Pred. No. 59;  
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CCATATATATCTACATTCAAAACAA 25  
Db 422 CCATATATATATATATCAAGACAA 446

RESULT 2  
US-09-198-452A-1  
; Sequence 1, Application US/09198452A  
; Patent No. 655294  
; GENERAL INFORMATION:  
; APPLICANT: Griffiths, R.  
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection  
; FILE REFERENCE: 9710-003-999  
; CURRENT APPLICATION NUMBER: US/09/198,452A  
; CURRENT FILING DATE: 1998-11-24  
; NUMBER OF SEQ ID NOS: 6849  
; SEQ ID NO 1  
; LENGTH: 1230025  
; TYPE: DNA  
; ORGANISM: Chlamydia pneumoniae



LOCATION: (720001)..(735000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (735001)..(750000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (750001)..(765000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (765001)..(780000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (780001)..(795000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (795001)..(810000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (810001)..(825000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (825001)..(840000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (840001)..(855000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (855001)..(870000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (870001)..(885000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (885001)..(900000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (900001)..(915000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature

Query Match 74.4%; Score 18.6; DB 4; Length 1230025;  
Best Local Similarity 84.0%; Pred. No. 77;  
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CCATATATCTACATTCACAAACA 25  
Db 559906 CCATCTATATCTACATTCACATCAA 559930

RESULT 3  
US-09-313-294A-2303/c  
Sequence 2303, Application US/09313294A  
Patent No. 6476212  
GENERAL INFORMATION:  
APPLICANT: Lalgudi, Raghunath V.  
APPLICANT: Ito, Laura Y.  
APPLICANT: Sherman, Bradley K.  
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR  
FILE REFERENCE: PL-0017 US  
CURRENT APPLICATION NUMBER: US/09/313,294A  
CURRENT FILING DATE: 1993-05-14  
NUMBER OF SEQ ID NOS: 7600  
SOFTWARE: PERL Program  
SEQ ID NO 2303  
LENGTH: 262  
TYPE: DNA  
ORGANISM: Zea mays  
FEATURE:  
NAME/KEY: misc\_feature  
OTHER INFORMATION: Incyte ID No. 6476212 700552454H1  
NAME/KEY: unsure  
LOCATION: 3, 172, 182, 184  
OTHER INFORMATION: a, t, c, g, or other

US-09-313-294A-2303  
Query Match 72.8%; Score 18.2; DB 4; Length 262;  
Best Local Similarity 87.0%; Pred. No. 81;  
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
Qy 2 CATATATCTACATTCACAAACA 24  
Db 220 CATATTTATCTAAATTCACAAACA 198

RESULT 4  
US-08-687-080-76  
Sequence 76, Application US/08687080  
Patent No. 5965427  
GENERAL INFORMATION:  
APPLICANT: Gregory Dolganov  
TITLE OF INVENTION: Human RAD50 Gene and Methods of Use Thereof  
NUMBER OF SEQUENCES: 175  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dehlinger & Associates  
STREET: 350 Cambridge Avenue, Suite 250  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94306  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION NUMBER: US/08/687,080  
FILING DATE: 17-JUL-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/592,126  
FILING DATE: 26-JAN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Sholtz, Charles K.  
REGISTRATION NUMBER: 38,615  
REFERENCE/DOCKET NUMBER: 4600-0111.30  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 324-0880  
TELEFAX: (415) 324-0960  
INFORMATION FOR SEQ ID NO: 76:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1386 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: INTRON 9 OF RAD50 GENOMIC SEQUENCE  
US-08-687-080-76

Query Match 72.8%; Score 18.2; DB 2; Length 1386;  
Best Local Similarity 87.0%; Pred. No. 87;  
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
Qy 2 CATATATCTACATTCACAAACA 24  
Db 278 CATAGAAATGTACATTCACAAACA 300

RESULT 5  
US-09-328-352-3746/c  
Sequence 3746, Application US/09328352  
Patent No. 6562958  
GENERAL INFORMATION:  
APPLICANT: Gary L. Breton et al.





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; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 2295
; LENGTH: 257
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700552442H1
US-09-313-294A-2295

Query Match 70.4%; Score 17.6; DB 4; Length 257;
Best Local Similarity 83.3%; Pred. No. 1.4e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAAACA 24
Db 96 CCATATATATTTATTTTAAACA 73

RESULT 10
US-09-107-532A-803/c
; Sequence 803, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; CORRESPONDENCE ADDRESS:
; ADDRESS: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 803:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 759 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
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; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...759
; SEQUENCE DESCRIPTION: SEQ ID NO: 803:
US-09-107-532A-803

Query Match 70.4%; Score 17.6; DB 4; Length 759;
Best Local Similarity 83.3%; Pred. No. 1.5e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAAACA 24
Db 374 CCATAATATCTACATTCATACCA 351

RESULT 11
US-09-540-236-576/c
; Sequence 576, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 576
; LENGTH: 1200
; TYPE: DNA
; ORGANISM: M.catarrhalis
US-09-540-236-576

Query Match 70.4%; Score 17.6; DB 4; Length 1200;
Best Local Similarity 83.3%; Pred. No. 1.5e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAAACA 24
Db 551 CCATAATATCTGCATCCAAATA 528

RESULT 12
US-09-620-312D-908
; Sequence 908, Application US/09620312D
; Patent No. 6569562
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghaast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
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; PRIOR FILING DATE: 2000-04-25  
; PRIOR APPLICATION NUMBER: 09/488,725  
; PRIOR FILING DATE: 2000-01-21  
; NUMBER OF SEQ ID NOS: 1105  
; SOFTWARE: pt\_FL\_genes Version 1.0  
; SEQ ID NO 908\_  
; LENGTH: 1995  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (117)..(1031)  
US-09-620-312D-908

Query Match 70.4%; Score 17.6; DB 4; Length 1995;  
Best Local Similarity 83.3%; Pred. No. 1.5e+02;  
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CATATATATCTACATTCACAAACAA 25  
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Db 1966 CATATATATATACATTAACAAAAA 1989

RESULT 13  
US-10-204-708-88/c  
; Sequence 88, Application US/10204708  
; Patent No. 667731  
; GENERAL INFORMATION:  
; APPLICANT: OLEK, Alexander  
; APPLICANT: PIEPENBROCK, Christian  
; APPLICANT: BERLIN, Kurt  
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication  
; FILE REFERENCE: 5013.1012  
; CURRENT APPLICATION NUMBER: US/10/204,708  
; CURRENT FILING DATE: 2003-05-06  
; PRIOR APPLICATION NUMBER: PCT/EP01/03971  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: DE 10019055.8  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; PRIOR APPLICATION NUMBER: DE 10032529.7  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: DE 10043825.1  
; PRIOR FILING DATE: 2000-09-01  
; NUMBER OF SEQ ID NOS: 98  
; SEQ ID NO 88  
; LENGTH: 6182  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)  
US-10-204-708-88

Query Match 70.4%; Score 17.6; DB 4; Length 6182;  
Best Local Similarity 83.3%; Pred. No. 1.6e+02;  
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CATATATATCTACATTCACAAACAA 25  
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Db 4798 CATATACATCTATTTTCAAAAAA 4775

RESULT 14  
US-09-345-217-1  
; Sequence 1, Application US/09345217  
; Patent No. 6268142  
; GENERAL INFORMATION:  
; APPLICANT: DUFF, GORDON W.  
; APPLICANT: COX, ANGELA  
; APPLICANT: CAMP, NICOLA J.  
; APPLICANT: DIGIOVINE, FRANCESCO S.

; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR DISEASES ASSOCIATED  
; TITLE OF INVENTION: WITH AN IL-1 INFLAMMATORY HAPLOTYPE  
; FILE REFERENCE: MSA-010.02  
; CURRENT APPLICATION NUMBER: US/09/345,217  
; CURRENT FILING DATE: 1999-06-30  
; EARLIER APPLICATION NUMBER: PCT/GB98/01481  
; EARLIER FILING DATE: 1998-05-21  
; EARLIER APPLICATION NUMBER: 9711040.7  
; EARLIER FILING DATE: 1997-05-29  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 11970  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-345-217-1  
Query Match 70.4%; Score 17.6; DB 3; Length 11970;  
Best Local Similarity 83.3%; Pred. No. 1.7e+02;  
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CATATATATCTACATTCACAAACAA 25  
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Db 11895 CATACAGCTACATTAACAA 11918

RESULT 15  
US-09-596-002-34/c  
; Sequence 34, Application US/09596002  
; Patent No. 8632636  
; GENERAL INFORMATION:  
; APPLICANT: Lagace, Robert, E.  
; APPLICANT: Patterson, Chandra  
; APPLICANT: Berg, Kim, L.  
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES OF MORAXELLA CATARRHALIS GENOME  
; FILE REFERENCE: PM-0008-4 US  
; CURRENT APPLICATION NUMBER: US/09/596,002  
; CURRENT FILING DATE: 2000-06-16  
; PRIOR APPLICATION NUMBER: 60/140,121  
; PRIOR FILING DATE: 1999-06-18  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: PERL Program  
; SEQ ID NO 34  
; LENGTH: 89047  
; TYPE: DNA  
; ORGANISM: M. catarrhalis  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: 66874  
; OTHER INFORMATION: a or g or c or t, unknown, or other  
; NAME/KEY: misc-feature  
; OTHER INFORMATION: Incyte template ID No. 6632636 34  
; PUBLICATION INFORMATION:  
US-09-596-002-34

Query Match 70.4%; Score 17.6; DB 4; Length 89047;  
Best Local Similarity 83.3%; Pred. No. 1.8e+02;  
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCACAAACA 24  
|||||  
Db 25121 CCATAAATATCTGCATCCAAATA 25098

Search completed: September 16, 2004, 16:26:55  
Job time : 52.6565 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 222.71 Seconds  
(without alignments)  
566.594 Million cell updates/sec

Title: US-09-477-082-32

Perfect score: 25

Sequence: 1 ccatatattctacattcaaaacaa 25

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 3327077 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*

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3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*  
5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*  
6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*  
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14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq:\*  
15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
c 1	20.2	80.8	17280	13	US-10-221-714A-498 Sequence 498, App
c 2	20.2	80.8	2140405	13	US-10-027-632-76212 Sequence 76212, A
c 3	20.2	80.8	2140405	16	US-10-027-632-76212 Sequence 76212, A
c 4	19.8	79.2	5474	17	US-10-433-793-96 Sequence 96, Appl
c 5	19.2	76.8	611	13	US-10-027-632-215064 Sequence 215064, A
c 6	19.2	76.8	611	13	US-10-027-632-215066 Sequence 215066, A
c 7	19.2	76.8	611	13	US-10-027-632-215066 Sequence 215066, A
c 8	19.2	76.8	611	16	US-10-027-632-215064 Sequence 215064, A
c 9	19.2	76.8	611	16	US-10-027-632-215065 Sequence 215065, A
c 10	19.2	76.8	611	16	US-10-027-632-215066 Sequence 215066, A
c 11	19.2	76.8	748	13	US-10-027-632-29050 Sequence 29050, A
c 12	19.2	76.8	748	16	US-10-027-632-29050 Sequence 29050, A
c 13	19.2	76.8	1236	13	US-10-027-632-215063 Sequence 215063, A
c 14	19.2	76.8	1236	16	US-10-027-632-215063 Sequence 215063, A

c 15 19.2 76.8 4654 13 US-10-221-714A-508  
Sequence 508, App  
c 16 19.2 76.8 4654 15 US-10-311-455-2196  
Sequence 2196, App  
c 17 19.2 76.8 7120 10 US-09-380-773-2  
Sequence 2, Appli  
c 18 19.2 76.8 8845 13 US-10-221-714A-266  
Sequence 266, App  
c 19 19.2 76.8 15373 15 US-10-311-455-439  
Sequence 439, App  
c 20 18.8 75.2 352 13 US-10-085-783A-33179  
Sequence 33179, A  
c 21 18.8 75.2 352 16 US-10-242-535A-33179  
Sequence 33179, A  
c 22 18.8 75.2 584 17 US-10-021-323-3721  
Sequence 3721, App  
c 23 18.8 75.2 584 17 US-10-021-323-3721  
Sequence 3721, App  
c 24 18.8 75.2 6297 15 US-10-311-455-1492  
Sequence 1492, App  
c 25 18.8 75.2 6297 15 US-10-311-455-678  
Sequence 678, App  
c 26 18.8 75.2 81098 13 US-10-087-192-2032  
Sequence 35, Appl  
c 27 18.8 75.2 3673778 15 US-10-312-841-2  
Sequence 2, Appli  
c 28 18.6 74.4 200 9 US-09-969-373-877  
Sequence 877, App  
c 29 18.6 74.4 221 10 US-09-754-853A-149  
Sequence 149, App  
c 30 18.6 74.4 355 9 US-09-960-352-374  
Sequence 374, App  
c 31 18.6 74.4 392 9 US-09-960-352-12299  
Sequence 12299, A  
c 32 18.6 74.4 461 13 US-10-085-783A-27128  
Sequence 27128, A  
c 33 18.6 74.4 461 16 US-10-242-535A-27128  
Sequence 27128, A  
c 34 18.6 74.4 462 15 US-10-116-712-119  
Sequence 119, App  
c 35 18.6 74.4 462 15 US-10-116-712-120  
Sequence 120, App  
c 36 18.6 74.4 469 10 US-09-918-995-9724  
Sequence 9724, App  
c 37 18.6 74.4 487 10 US-09-918-995-13475  
Sequence 13475, A  
c 38 18.6 74.4 559 13 US-10-027-632-317661  
Sequence 317661, A  
c 39 18.6 74.4 559 16 US-10-027-632-317661  
Sequence 317661, A  
c 40 18.6 74.4 560 13 US-10-027-632-91256  
Sequence 91256, A  
c 41 18.6 74.4 560 16 US-10-027-632-91256  
Sequence 91256, A  
c 42 18.6 74.4 946 17 US-10-437-963-1844  
Sequence 1844, App  
c 43 18.6 74.4 1304 17 US-10-437-963-19773  
Sequence 19773, A  
c 44 18.6 74.4 1463 9 US-09-745-763-12  
Sequence 12, Appl  
c 45 18.6 74.4 1567 13 US-10-276-774-511  
Sequence 511, App

#### ALIGNMENTS

#### RESULT 1

US-10-221-714A-498/c  
; Sequence 498, Application US/10221714A  
; Publication No. US20040048254A1  
; GENERAL INFORMATION:  
; APPLICANT: OLEK, Alexander  
; APPLICANT: PIEPENBROCK, Christian  
; APPLICANT: BERLIN, Kurt  
; TITLE OF INVENTION: Diagnosis of Diseases Associated with  
; TITLE OF INVENTION: tumor suppressor genes and oncogenes  
; FILE REFERENCE: 5013.1005  
; CURRENT APPLICATION NUMBER: US/10/221,714A  
; CURRENT FILING DATE: 2003-01-21  
; PRIOR APPLICATION NUMBER: PCT/EP01/02955  
; PRIOR FILING DATE: 2001-03-15  
; PRIOR APPLICATION NUMBER: DE 10013847.0  
; PRIOR FILING DATE: 2000-03-15  
; PRIOR APPLICATION NUMBER: DE 10019059.8  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; PRIOR APPLICATION NUMBER: DE 10032529.7  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: DE 10043826.1  
; PRIOR FILING DATE: 2000-09-01  
; NUMBER OF SEQ ID NOS: 540  
; SEQ ID NO 498  
; LENGTH: 17280  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)  
US-10-221-714A-498

Query Match 80.8%; Score 20.2; DB 13; Length 17280;  
Best Local Similarity 88.0%; Pred. No. 7.4e+02;  
Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAAACAA 25  
Db 16705 CCAATATATCTACATTCAAAACAA 16681

RESULT 2  
US-10-027-632-76212  
; Sequence 76212, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23

Query Match 80.8%; Score 20.2; DB 13; Length 2140405;  
Best Local Similarity 88.0%; Pred. No. 1.1e+03;  
Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAAACAA 25  
Db 1380416 CCACATGTATCTACATGCAAAACAA 1380440

RESULT 4  
US-10-433-793-96/c  
; Sequence 96, Application US/10433793  
; Publication No. US20040142334A1  
; GENERAL INFORMATION:  
; APPLICANT: Epigenomics AG  
; TITLE OF INVENTION: Diagnose von mit Angiogenese assoziierten Krankheiten  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/433,793  
; CURRENT FILING DATE: 2003-06-06  
; NUMBER OF SEQ ID NOS: 212  
; SEQ ID NO 96  
; TYPE: DNA  
; LENGTH: 5474  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

Query Match 79.2%; Score 19.8; DB 17; Length 5474;  
Best Local Similarity 91.3%; Pred. No. 9e+02;  
Matches 21; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CATATATATCTACATTCAAAACAA 24  
Db 1823 CATATTATCTTCATTCAAAACAA 1801

RESULT 5  
US-10-027-632-215064/c  
; Sequence 215064, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363

QY 1 CCATATATATCTACATTCAAAACAA 25  
Db 16705 CCAATATATCTACATTCAAAACAA 16681

RESULT 2  
US-10-027-632-76212  
; Sequence 76212, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23

Query Match 80.8%; Score 20.2; DB 13; Length 2140405;  
Best Local Similarity 88.0%; Pred. No. 1.1e+03;  
Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAAACAA 25  
Db 1380416 CCACATGTATCTACATGCAAAACAA 1380440

RESULT 3  
US-10-027-632-76212  
; Sequence 76212, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23

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; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215064
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215064

Query Match
Best Local Similarity 76.8%; Score 19.2; DB 13; Length 611;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CCATATATATCTACATTCAAAACA 24
Db 391 CCATATATACCTATATTAAACA 368

RESULT 6
US-10-027-632-215065/c
; Sequence 215065, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215065
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215065

Query Match
Best Local Similarity 76.8%; Score 19.2; DB 13; Length 611;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CCATATATATCTACATTCAAAACA 24
Db 391 CCATATATACCTATATTAAACA 368

RESULT 7
US-10-027-632-215066/c
; Sequence 215066, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215066
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215066

Query Match
Best Local Similarity 76.8%; Score 19.2; DB 16; Length 611;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CCATATATATCTACATTCAAAACA 24
Db 391 CCATATATACCTATATTAAACA 368

RESULT 8
US-10-027-632-215064/c
; Sequence 215064, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215064
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215064

Query Match
Best Local Similarity 76.8%; Score 19.2; DB 16; Length 611;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CCATATATATCTACATTCAAAACA 24
Db 391 CCATATATACCTATATTAAACA 368
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```
RESULT 9
US-10-027-632-215065/c
; Sequence 215065, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215065
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215065

Query Match          76.8%; Score 19.2; DB 16; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CCATATATATCTACATTCAAACA 24
Db      391 CCATATATACCTATATTAAACA 368

RESULT 10
US-10-027-632-215066/c
; Sequence 215066, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215066
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215066

Query Match          76.8%; Score 19.2; DB 16; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CCATATATATCTACATTCAAACA 24
Db      391 CCATATATACCTATATTAAACA 368

RESULT 11
US-10-027-632-29050/c
; Sequence 29050, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29050
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-29050

Query Match          76.8%; Score 19.2; DB 13; Length 748;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CCATATATATCTACATTCAAACA 24
Db      484 CCATATATACCTATATTAAACA 461

RESULT 12
US-10-027-632-29050/c
; Sequence 29050, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215066
; LENGTH: 611
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```
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215066

Query Match          76.8%; Score 19.2; DB 16; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CCATATATATCTACATTCAAACA 24
Db      391 CCATATATACCTATATTAAACA 368

RESULT 11
US-10-027-632-29050/c
; Sequence 29050, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29050
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-29050

Query Match          76.8%; Score 19.2; DB 13; Length 748;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CCATATATATCTACATTCAAACA 24
Db      484 CCATATATACCTATATTAAACA 461

RESULT 12
US-10-027-632-29050/c
; Sequence 29050, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215066
; LENGTH: 611
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; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29050
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-29050

Query Match          76.8%; Score 19.2; DB 16; Length 748;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAACA 24
Db 484 CCATATATACCTATATTAAACA 461

RESULT 13
US-10-027-632-215063/c
; Sequence 215063, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215063
; LENGTH: 1236
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215063

Query Match          76.8%; Score 19.2; DB 13; Length 1236;
Best Local Similarity 87.5%; Pred. No. 1.2e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAACA 24
Db 1016 CCATATATACCTATATTAAACA 993

RESULT 14
US-10-027-632-215063/c
; Sequence 215063, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
```

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; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215063
; LENGTH: 1236
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215063

Query Match          76.8%; Score 19.2; DB 16; Length 1236;
Best Local Similarity 87.5%; Pred. No. 1.2e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAACA 24
Db 1016 CCATATATACCTATATTAAACA 993

RESULT 15
US-10-221-714A-508/c
; Sequence 508, Application US/10221714A
; Publication No. US20040048254A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; FILE REFERENCE: 5013.1005
; CURRENT APPLICATION NUMBER: US/10/221,714A
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: PCT/EP01/02955
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: DE 10013847.0
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 540
; SEQ ID NO 508
; LENGTH: 4654
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-714A-508

Query Match          76.8%; Score 19.2; DB 13; Length 4654;
Best Local Similarity 87.5%; Pred. No. 1.5e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

QY 2 CATATATCTACATTCAAAACAA 25  
|||||  
Db 874 CATATTATCTACATCCAAACCA 851  
|||||

Search completed: September 16, 2004, 20:53:54  
Job time : 234.71 secs



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 Seconds  
(without alignments)  
310.678 Million cell updates/sec

Title: US-09-477-082-33

Perfect score: 21

Sequence: 1 taggggactcgagactgcga 21

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*

1: /cgn2\_6/ptodata/2/ina/5A-COMB.seq.\*  
2: /cgn2\_6/ptodata/2/ina/5B-COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A-COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B-COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PTCUS COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	21	100.0	2887	4	US-08-983-502-14
2	21	100.0	2887	4	US-09-516-747-14
3	21	100.0	2887	5	PCT-US96-10521-14
4	15.4	73.3	454	4	US-09-963-137-62
5	15.4	73.3	633	4	US-09-252-991A-4514
6	15.4	73.3	771	4	US-09-252-991A-4410
7	15.4	73.3	1209	3	US-09-028-328-2
8	15.4	73.3	1886	4	US-09-620-312D-647
9	15.2	72.4	321	5	PCT-US94-07659-7
10	15.2	72.4	588	3	US-09-328-111-397
11	15.2	72.4	618	3	US-09-328-111-487
12	15.2	72.4	620	3	US-09-328-111-490
13	15.2	72.4	954	4	US-09-177-419C-7
14	15.2	72.4	1557	4	US-09-023-655-1016
15	15.2	72.4	3257	5	PCT-US91-09784-1
16	15.2	72.4	3303	1	US-08-081-610-3
17	15.2	72.4	43804	4	US-09-171-461-1
18	14.8	70.5	503	4	US-09-833-381-1783
19	14.8	70.5	1533	4	US-09-075-454-11
20	14.8	70.5	2123	4	US-09-194-468A-29
21	14.8	70.5	2194	4	US-09-023-655-668
22	14.8	70.5	6378	4	US-09-620-312D-332
23	14.8	70.5	9785	4	US-09-479-128-1
24	14.6	69.5	690	4	US-09-252-991A-13180
25	14.6	69.5	985	4	US-09-621-576-2540
26	14.6	69.5	2169	4	US-09-105-058C-22
27	14.6	69.5	2273	4	US-09-177-650-88

C 28	14.6	69.5	3232	4	US-09-177-650-1	Sequence 1, Appli
C 29	14.6	69.5	3237	4	US-09-177-650-95	Sequence 95, Appl
C 30	14.6	69.5	3287	4	US-09-105-058C-19	Sequence 19, Appl
C 31	14.6	69.5	5120	3	US-08-772-270A-6	Sequence 6, Appli
C 32	14.6	69.5	8370	2	US-08-488-706-1	Sequence 1, Appli
C 33	14.6	69.5	8370	4	US-09-062-126-1	Sequence 1, Appli
C 34	14.4	68.6	1255	2	US-08-766-551-6	Sequence 6, Appli
C 35	14.4	68.6	5115	3	US-08-348-518C-3	Sequence 3, Appli
C 36	14.4	68.6	5115	3	US-08-476-509B-3	Sequence 3, Appli
C 37	14.2	67.6	196	4	US-08-284-506C-29	Sequence 29, Appl
C 38	14.2	67.6	196	4	US-09-537-911A-29	Sequence 29, Appl
C 39	14.2	67.6	247	4	US-09-364-206-17	Sequence 17, Appl
C 40	14.2	67.6	402	1	US-08-405-034-3	Sequence 3, Appli
C 41	14.2	67.6	486	4	US-09-621-976-17773	Sequence 17773, A
C 42	14.2	67.6	624	4	US-09-443-041A-1	Sequence 1, Appli
C 43	14.2	67.6	796	3	US-09-276-531-20	Sequence 20, Appl
C 44	14.2	67.6	825	2	US-08-488-148B-1	Sequence 1, Appli
C 45	14.2	67.6	895	3	US-08-650-766-4	Sequence 4, Appli

#### ALIGNMENTS

RESULT 1  
US-08-983-502-14  
; Sequence 14, Application US/08983502  
; Patent No. 6399327  
; GENERAL INFORMATION:  
; APPLICANT: David WALLACH  
; APPLICANT: Mark P. BOLOIN  
; APPLICANT: Tanya M. GONCHAROV  
; APPLICANT: Yuri V. GOLTSEV  
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS  
; TITLE OF INVENTION: AND OTHER PROTEINS  
; NUMBER OF SEQUENCES: 34  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Browdy and Neimark  
; STREET: 419 Seventh Street N.W., Ste. 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/983,502  
FILING DATE: 16-JAN-1998  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/10521  
FILING DATE: 14-JUN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: IL 114,615  
FILING DATE: 16-JUL-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: IL 114,986  
FILING DATE: 17-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: IL 115,319  
FILING DATE: 14-SEP-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: IL 116,588  
FILING DATE: 27-DEC-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: IL 117,932  
FILING DATE: 16-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Browdy, Roger L.  
REGISTRATION NUMBER: 25,618  
REFERENCE/DOCKET NUMBER: WALLACH=19  
TELECOMMUNICATION INFORMATION:

```
;
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-983-502-14
Query Match 100.0%; Score 21; DB 4; Length 2887;
Best Local Similarity 100.0%; Pred. No. 0.2;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 221 TAGGGGACTCGGAGACTGCGA 241

RESULT 2
US-09-516-747-14
; Sequence 14, Application US/09516747
; Patent No. 6586571
; GENERAL INFORMATION:
; APPLICANT: David WALLACH
; Mark P. BOLDIN
; Tanya M. GONCHAROV
; Yuri V. GOLTSSEV
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/516,747
; FILING DATE: 01-Mar-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/983,502
; FILING DATE: <unknown>
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Browdy, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: WALLACH=19
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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;
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-516-747-14
Query Match 100.0%; Score 21; DB 4; Length 2887;
Best Local Similarity 100.0%; Pred. No. 0.2;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 221 TAGGGGACTCGGAGACTGCGA 241

RESULT 3
PCT-US96-10521-14
; Sequence 14, Application PC/TUS9610521
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10521
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
PCT-US96-10521-14
Query Match 100.0%; Score 21; DB 5; Length 2887;
Best Local Similarity 100.0%; Pred. No. 0.2;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 221 TAGGGGACTCGGAGACTGCGA 241

RESULT 4
US-09-963-137-62
; Sequence 62, Application US/09963137
; Patent No. 6596036
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Finn S
; APPLICANT: Sorensen, Annette B
; APPLICANT: Hernandez, Javier Martin
; APPLICANT: Nielsen, Anne A
; APPLICANT: Moving, Helle
```

; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR LYMPHOMA AND LEUKEMIA

; FILE REFERENCE: A-70981/RMS/DCF  
; CURRENT APPLICATION NUMBER: US/09/963,137  
; CURRENT FILING DATE: 2001-09-24  
; PRIOR APPLICATION NUMBER: US 09/668,644  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: US 09/905,390  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 09/905,491  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 09/962,929  
; PRIOR FILING DATE: 2001-09-24  
; PRIOR APPLICATION NUMBER: US 09/962,854  
; PRIOR FILING DATE: 2001-09-24  
; PRIOR APPLICATION NUMBER: US 09/962,916  
; PRIOR FILING DATE: 2001-09-24  
; PRIOR APPLICATION NUMBER: US 09/962,855  
; PRIOR FILING DATE: 2001-09-24  
; NUMBER OF SEQ ID NOS: 215  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 62  
; LENGTH: 454  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (9) -(434)  
; OTHER INFORMATION: "n" at 9, 124 and 434 can be any base.  
US-09-963-137-62

Query Match 73.3%; Score 15.4; DB 4; Length 454;  
Best Local Similarity 94.1%; Pred. No. 96;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GGGGACTCGGAGACTGC 19  
|||||  
DB 20 GGGGACTCGGAGACTGC 36

## RESULT 5

US-09-252-991A-4514/c  
; Sequence 4514, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 4514

; LENGTH: 633

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-4514

Query Match 73.3%; Score 15.4; DB 4; Length 633;  
Best Local Similarity 94.1%; Pred. No. 98;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GGGGACTCGGAGACTGC 19  
|||||  
DB 560 GGGGACTCGGAGACTGC 544

## RESULT 6

US-09-252-991A-4410/c  
; Sequence 4410, Application US/09252991A

; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 4410  
; LENGTH: 771  
; TYPE: DNA  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-4410

Query Match 73.3%; Score 15.4; DB 4; Length 771;  
Best Local Similarity 94.1%; Pred. No. 1e+02;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GGGGACTCGGAGACTGC 19  
|||||  
DB 57 GGGGACTCGGAGACTGC 41

## RESULT 7

US-09-028-328-2

; Sequence 2, Application US/09028328

; Patent No. 6218113

; GENERAL INFORMATION:

; APPLICANT: Yue, Henry

; APPLICANT: Hillman, Jennifer L.

; APPLICANT: Corley, Neil C.

; TITLE OF INVENTION: HUMAN PROTEIN KINASE C INHIBITOR

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Dr.

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/028,328

; FILING DATE: Filed Herewith

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J.

; REGISTRATION NUMBER: 36,749

; REFERENCE/DOCKET NUMBER: PF-0483 US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-855-0555

; TELEFAX: 650-845-4166

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1209 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; LIBRARY: SININOT04

; CLONE: 2922091

US-09-028-328-2

Query Match	73.3%;	Score 15.4;	DB 3;	Length 1209;	
Best Local Similarity	94.1%;	Pred. No. 1.e-02;	Indels 0;	Gaps 0;	
Matches	16;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;
QY	4	GGGACTCGGAGACTGCG	20		
DB	186	GGGACGCGGAGACTGCG	202		
RESULT 8					
US-09-620-312D-647/c					
; Sequence 647, Application US/09620312D					
; Patent No. 6569662					
; GENERAL INFORMATION:					
; APPLICANT: Tang, Y. Tom					
; APPLICANT: Liu, Chenghua					
; APPLICANT: Asundi, Vinod					
; APPLICANT: Zhang, Jie					
; APPLICANT: Ren, Feiyan					
; APPLICANT: Chen, Rui-hong					
; APPLICANT: Zhao, Qing A.					
; APPLICANT: Wehrman, Tom					
; APPLICANT: Xue, Aidong J.					
; APPLICANT: Yang, Yonghong					
; APPLICANT: Wang, Jian-Rui					
; APPLICANT: Zhou, Ping					
; APPLICANT: Ma, Yungqing					
; APPLICANT: Wang, Dunrui					
; APPLICANT: Wang, Zhiwei					
; APPLICANT: John Tillinghast					
; APPLICANT: Drmanac, Radojica T.					
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and					
; FILE OF INVENTION: Polypeptides					
; FILE REFERENCE: 784CIP2B					
; CURRENT APPLICATION NUMBER: US/09/620.312D					
; CURRENT FILING DATE: 2000-07-19					
; PRIOR APPLICATION NUMBER: 09/552,317					
; PRIOR FILING DATE: 2000-04-25					
; PRIOR APPLICATION NUMBER: 09/488,725					
; PRIOR FILING DATE: 2000-01-21					
; NUMBER OF SEQ ID NOS: 1105					
; SOFTWARE: pt FL_genes Version 1.0					
; SEQ ID NO 647					
; LENGTH: 1886					
; TYPE: DNA					
; ORGANISM: Homo sapiens					
; FEATURE:					
; NAME/KEY: CDS					
; LOCATION: (20)..(1152)					
; FEATURE:					
; NAME/KEY: misc feature					
; LOCATION: (1)...(1886)					
; OTHER INFORMATION: n = a,t,c,g or g					
US-09-620-312D-647					
Query Match	73.3%;	Score 15.4;	DB 4;	Length 1886;	
Best Local Similarity	94.1%;	Pred. No. 1.1e-02;	Indels 0;	Gaps 0;	
Matches	16;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;
QY	3	GGGACTCGGAGACTGCG	19		
DB	330	GGGGAATCGGAGACTGCG	314		
RESULT 9					
PCT-US94-07659-7/c					
; Sequence 7, Application PC/TUS9407659					
; GENERAL INFORMATION:					
; APPLICANT: Young, Peter					
; APPLICANT: Gross, Mitchell					
; APPLICANT: Jonak, Zdenka L.					
; APPLICANT: Theisen, Timothy					
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION					
; TITLE OF INVENTION: PRODUCTS					

```
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 397
; LENGTH: 588
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(588)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-397

Query Match 72.4%; Score 15.2; DB 3; Length 588;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGACTCGGAGACTGGCA 21
Db 314 AGGGGACTGGGGGACTGGCA 295

RESULT 11
US-09-328-111-487
; Sequence 487, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 487
; LENGTH: 618
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(618)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-487

Query Match 72.4%; Score 15.2; DB 3; Length 618;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGACTCGGAGACTGGCA 21
Db 466 AGGGGACTGGGGGACTGGCA 485

RESULT 12
US-09-328-111-490
; Sequence 490, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 490
; LENGTH: 620
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(620)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-490

Query Match 72.4%; Score 15.2; DB 3; Length 620;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGACTCGGAGACTGGCA 21
Db 465 AGGGGACTGGGGGACTGGCA 484

RESULT 13
US-09-177-419C-7/c
; Sequence 7, Application US/09177419C
; Patent No. 6562609
; GENERAL INFORMATION:
; APPLICANT: Russel, David W
; APPLICANT: Lund, Erik G
; TITLE OF INVENTION: Cholesterol 25-Hydroxylase
; FILE REFERENCE: UTSD1370
; CURRENT APPLICATION NUMBER: US/09/177,419C
; CURRENT FILING DATE: 1998-10-22
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 954
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-177-419C-7

Query Match 72.4%; Score 15.2; DB 4; Length 954;
Best Local Similarity 85.0%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCG 20
Db 523 TGGGGGACTCTGAGTCTGCG 504
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RESULT 14  
US-09-023-655-1016  
; Sequence 1016, Application US/09023655  
; Patent No. 6607879  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Susan G. Stuart  
; APPLICANT: Jeffrey J. Sellhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
; TITLE OF INVENTION: EXPRESSION  
; NUMBER OF SEQUENCES: 1508  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/023,655  
; FILING DATE: HEREWITH  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Zeller, Karen J.  
; REGISTRATION NUMBER: 37,071  
; REFERENCE/DOCKET NUMBER: PA-0001 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 855-0555  
; TELEFAX: (650) 845-4166  
; INFORMATION FOR SEQ ID NO: 1016:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1557 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GENBANK  
; CLONE: G179410  
US-09-023-655-1016  
Query Match 72.4%; Score 15.2; DB 4; Length 1557;  
Best Local Similarity 85.0%; Pred. No. 1.3e+02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 2 AGGGGACTCGGAGACTCGGA 21  
DB 693 AGGGGACTCGGAGACTCGGA 712

RESULT 15  
PCT-US91-09784-1  
; Sequence 1, Application PC/TUS9109784  
; GENERAL INFORMATION:  
; APPLICANT: Davies, Peter JA  
; APPLICANT: Stein, Joseph P  
; TITLE OF INVENTION: CLONING AND EXPRESSION OF TISSUE  
; TITLE OF INVENTION: TRANSGUTAMINASE  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Steven W. Parmelee  
; STREET: One Market Plaza, Steuart Tower, Suite  
; STREET: 2000  
; CITY: San Francisco

; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 94105  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.24  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US91/09784  
; FILING DATE: 19911230  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/635,756  
; FILING DATE: 04-JAN-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Parmelee, Steven W.  
; REGISTRATION NUMBER: 31,990  
; REFERENCE/DOCKET NUMBER: 13952-7  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 543-9600  
; TELEFAX: (415) 543-5043  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3257 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: N  
; ANTI-SENSE: N  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
; DEVELOPMENTAL STAGE: Adult  
; TISSUE TYPE: Umbilical vein  
; CELL TYPE: Endothelial  
; CELL LINE: HUVEC  
; IMMEDIATE SOURCE:  
; CLONE: HFG-1  
; POSITION IN GENOME:  
; UNITS: bp  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 136..2199  
; OTHER INFORMATION:  
PCT-US91-09784-1  
Query Match 72.4%; Score 15.2; DB 5; Length 3257;  
Best Local Similarity 85.0%; Pred. No. 1.4e+02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 2 AGGGGACTCGGAGACTCGGA 21  
DB 3089 AGGGGACTCGGAGACTCGGA 3108  
Search completed: September 16, 2004, 16:26:57  
Job time : 39.5115 secs

GenCore version 5.1.6  
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CM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 187.076 Seconds  
(without alignments)  
566.594 Million cell updates/sec

Title: US-09-477-082-33  
Perfect score: 21  
Sequence: 1 taggggactcggagactgcga 21

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 3327077 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications NA: \*  
1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq: \*  
2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq: \*  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq: \*  
4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq: \*  
5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq: \*  
6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq: \*  
7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq: \*  
8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq: \*  
9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq: \*  
10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq: \*  
11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq: \*  
12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq: \*  
13: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq: \*  
14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq: \*  
15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq: \*  
16: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq: \*  
17: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq: \*  
18: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq: \*  
19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	21	100.0	60	10	US-09-908-975-31650 Sequence 31650, A
2	21	100.0	2887	16	US-10-368-438-14 Sequence 14, Appl
3	17.8	84.8	520	17	US-10-767-701-29500 Sequence 29500, A
4	17	81.0	1720	13	US-10-027-632-175133 Sequence 175133, A
5	17	81.0	1720	13	US-10-027-632-175133 Sequence 175133, A
6	16.8	80.0	527	15	US-10-029-386-11892 Sequence 11892, A
7	16.2	77.1	540	17	US-10-767-701-26495 Sequence 26495, A
8	16.2	77.1	639	17	US-10-437-963-49565 Sequence 49565, A
9	16.2	77.1	723	17	US-10-437-963-20527 Sequence 20527, A
10	16.2	77.1	1040	13	US-10-425-114-7317 Sequence 7317, Ap
11	16.2	77.1	1135	17	US-10-437-963-30413 Sequence 30413, A
12	16.2	77.1	1151	13	US-10-424-599-27148 Sequence 27148, A
13	16.2	77.1	2587	13	US-10-425-114-34280 Sequence 34280, A
14	16.2	77.1	3265	13	US-10-027-632-112533 Sequence 112533, A

C 15	16.2	77.1	3265	13	US-10-027-632-112534	Sequence 112534, A
C 16	16.2	77.1	3265	16	US-10-027-632-112533	Sequence 112533, A
C 17	16.2	77.1	3265	16	US-10-027-632-112534	Sequence 112534, A
C 18	16	76.2	421	17	US-10-437-963-95277	Sequence 95277, A
C 19	15.8	75.2	107	9	US-09-864-761-22038	Sequence 22038, A
C 20	15.8	75.2	282	17	US-10-437-963-11227	Sequence 11227, A
C 21	15.8	75.2	445	9	US-09-864-761-5262	Sequence 5262, Ap
C 22	15.8	75.2	504	10	US-09-918-995-26892	Sequence 26892, A
C 23	15.8	75.2	600	9	US-09-263-959-382	Sequence 382, App
C 24	15.8	75.2	1099	9	US-09-263-959-245	Sequence 245, App
C 25	15.8	75.2	1244	14	US-10-044-090-139	Sequence 139, App
C 26	15.8	75.2	1533	15	US-10-156-761-2574	Sequence 2574, Ap
C 27	15.8	75.2	1566	14	US-10-044-090-141	Sequence 141, App
C 28	15.8	75.2	2841	16	US-10-094-749-1158	Sequence 1158, Ap
C 29	15.8	75.2	9542	9	US-09-764-847-1809	Sequence 1809, Ap
C 30	15.8	75.2	9542	15	US-10-092-154-1809	Sequence 1809, Ap
C 31	15.8	75.2	11360	17	US-10-437-963-23278	Sequence 23278, A
C 32	15.8	75.2	27684	16	US-10-034-650-28	Sequence 28, Appl
C 33	15.8	75.2	49589	17	US-10-322-981-814	Sequence 814, App
C 34	15.8	75.2	55050	17	US-10-467-752-4	Sequence 4, Appl
C 35	15.8	75.2	684973	9	US-09-263-959-1	Sequence 1, Appl
C 36	15.8	75.2	9025608	15	US-10-156-761-1	Sequence 62, Appl
C 37	15.4	73.3	454	13	US-09-963-131-62	Sequence 37972, A
C 38	15.4	73.3	492	10	US-09-918-995-37972	Sequence 182838, A
C 39	15.4	73.3	541	13	US-10-027-632-182838	Sequence 182838, A
C 40	15.4	73.3	541	15	US-10-027-632-182838	Sequence 182838, A
C 41	15.4	73.3	639	13	US-10-027-632-215346	Sequence 215346, A
C 42	15.4	73.3	639	13	US-10-027-632-215346	Sequence 215346, A
C 43	15.4	73.3	639	16	US-10-027-632-215346	Sequence 215346, A
C 44	15.4	73.3	639	16	US-10-027-632-215347	Sequence 215347, A
C 45	15.4	73.3	791	9	US-09-764-868-506	Sequence 506, App

ALIGNMENTS

RESULT 1

US-09-908-975-31650  
; Sequence 31650, Application US/09908975  
; Publication No. US20030165843A1  
; GENERAL INFORMATION:  
; APPLICANT: SHOSHAN, Avi  
; APPLICANT: WASSERMAN, Alon  
; APPLICANT: MINTZ, Eli  
; APPLICANT: MINTZ, Liat  
; APPLICANT: FAIGLER, Simchon  
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE  
; TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME  
; FILE REFERENCE: 36888-0005  
; CURRENT APPLICATION NUMBER: US/09/908,975  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: US 60/287,724  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: US 60/221,607  
; PRIOR FILING DATE: 2000-07-28  
; NUMBER OF SEQ ID NOS: 32337  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 31650  
; LENGTH: 60  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-908-975-31650

Query Match 100.0%; Score 21; DB 10; Length 60;  
Best Local Similarity 100.0%; Pred. No. 2;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21

Db 19 TAGGGGACTCGGAGACTGCGA 39

RESULT 2

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US-10-368-438-14
; Sequence 14, Application US/10368438
; Publication No. US20030219411A1
; GENERAL INFORMATION:
; APPLICANT: David WALLACH
; Mark P. BOLDIN
; Tanya M. GONCHAROV
; Yury V. GOLTSEV
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/368,438
; FILING DATE: 20-Feb-2003
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/983,502
; FILING DATE: 16-JAN-1998
; APPLICATION NUMBER: PCT/US96/10521
; FILING DATE: 14-JUN-1996
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Browdy, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: WALLACH-19
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-368-438-14

Query Match 100.0%; Score 21; DB 16; Length 2887;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
DB 221 TAGGGGACTCGGAGACTGCGA 241

RESULT 3
US-10-767-701-29500/c
; Sequence 29500, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.

US-10-368-438-14
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 29500
; LENGTH: 520
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 9301258
US-10-767-701-29500

Query Match 84.8%; Score 17.8; DB 17; Length 520;
Best Local Similarity 90.5%; Pred. No. 47;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
DB 222 TAGGAGACTCGGAGACGCGA 202

RESULT 4
US-10-027-632-175133/c
; Sequence 175133, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 175133
; LENGTH: 1720
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-175133

Query Match 81.0%; Score 17; DB 13; Length 1720;
Best Local Similarity 81.0%; Pred. No. 92;
Matches 17; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
DB 87 TAGGGGCRCKTGAGACTGCGA 67

RESULT 5
US-10-027-632-175133/c
; Sequence 175133, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
```



```

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 175133
; LENGTH: 1720
; TYPE: DNA
; ORGANISM: Human
;
US-10-027-632-175133

Query Match      81.0%; Score 17; DB 16; Length 1720;
Best Local Similarity 81.0%; Pred. No. 92;
Matches 17; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 87 TAGGGGCRKCTGGAGACTGGGA 67

RESULT 6
US-10-029-386-11892
; Sequence 11892, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 11892
; LENGTH: 527
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR14.3
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.97
; OTHER INFORMATION: EST_HUMAN HIT: AW246988.1, EVALUE 0.00e+00
; OTHER INFORMATION: NT HIT: G17305458, EVALUE 5.00e-01
; OTHER INFORMATION: SW-SSPROT HIT: O00192, EVALUE 7.40e-01
US-10-029-386-11892

Query Match      80.0%; Score 16.8; DB 15; Length 527;
Best Local Similarity 90.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCG 20
Db 175 TGGGGGACTCGAGACTGCG 194

RESULT 7
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US-10-767-701-26495/c
; Sequence 26495, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 26495
; LENGTH: 540
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 30975379
US-10-767-701-26495

Query Match      77.1%; Score 16.2; DB 17; Length 540;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 81 TAGGGGACTCTGGGACTGGGA 61

RESULT 8
US-10-437-963-49565
; Sequence 49565, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 49565
; LENGTH: 639
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_52137C.1
US-10-437-963-49565

Query Match      77.1%; Score 16.2; DB 17; Length 639;
Best Local Similarity 85.7%; Pred. No. 2.6e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 209 TAGGGGACGCGGAGCGCGGA 229

RESULT 9
US-10-437-963-20527/c
; Sequence 20527, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
```

```
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT FILING DATE: 2003-05-14
; CURRENT APPLICATION NUMBER: US/10/437,963
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 20527
; LENGTH: 723
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_25886C.1
US-10-437-963-20527

Query Match      77.1%; Score 16.2; DB 17; Length 723;
Best Local Similarity 85.7%; Pred. No. 2.5e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
    ||||| ||||| ||||| ||||| |||||
Db 241 TAGGGGCTCGGCGACGCGA 221
    ||||| ||||| ||||| ||||| |||||

RESULT 10
US-10-425-114-7317
; Sequence 7317, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT FILING DATE: 2003-04-28
; CURRENT APPLICATION NUMBER: US/10/425,114
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 7317
; LENGTH: 1040
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 700650943_FLI
US-10-425-114-7317

Query Match      77.1%; Score 16.2; DB 13; Length 1040;
Best Local Similarity 85.7%; Pred. No. 2.4e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
    ||||| ||||| ||||| ||||| |||||
Db 706 TTGGGGACTCTGAGACTGAGA 726
    ||||| ||||| ||||| ||||| |||||

RESULT 11
US-10-437-963-30413
; Sequence 30413, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
```

```
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT FILING DATE: 2003-05-14
; CURRENT APPLICATION NUMBER: US/10/437,963
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 30413
; LENGTH: 1135
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_3481C.1
US-10-437-963-30413

Query Match      77.1%; Score 16.2; DB 17; Length 1135;
Best Local Similarity 85.7%; Pred. No. 2.4e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
    ||||| ||||| ||||| ||||| |||||
Db 613 TGGGGGACTCGGCGACGCGA 633
    ||||| ||||| ||||| ||||| |||||

RESULT 12
US-10-424-599-27148
; Sequence 27148, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT FILING DATE: 2003-04-28
; CURRENT APPLICATION NUMBER: US/10/424,599
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 27148
; LENGTH: 1151
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_124515C.1
US-10-424-599-27148

Query Match      77.1%; Score 16.2; DB 13; Length 1151;
Best Local Similarity 85.7%; Pred. No. 2.4e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
    ||||| ||||| ||||| ||||| |||||
Db 711 TTGGGGACTCTGAGACTGAGA 731
    ||||| ||||| ||||| ||||| |||||

RESULT 13
US-10-425-114-34280/c
; Sequence 34280, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
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; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 34280
; LENGTH: 2587
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLM017241A02_FLI
US-10-425-114-34280

Query Match
Best Local Similarity 77.1%; Score 16.2; DB 13; Length 2587;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTCGGA 21
|||||
Db 229 TAGGAGACTCGGATACGGCGA 209

RESULT 14
US-10-027-632-112533/c
; Sequence 112533, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 112533
; LENGTH: 3265
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-112533

Query Match
Best Local Similarity 77.1%; Score 16.2; DB 13; Length 3265;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTCGGA 21
|||||
Db 2974 TAGGGGACTCGGAGACTGTGA 2954

Search completed: September 16, 2004, 20:54:03
Job time : 196.076 secs
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; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 34280
; LENGTH: 2587
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLM017241A02_FLI
US-10-425-114-34280

Query Match
Best Local Similarity 77.1%; Score 16.2; DB 13; Length 2587;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTCGGA 21
|||||
Db 229 TAGGAGACTCGGATACGGCGA 209

RESULT 14
US-10-027-632-112533/c
; Sequence 112533, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 112533
; LENGTH: 3265
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-112533

Query Match
Best Local Similarity 77.1%; Score 16.2; DB 13; Length 3265;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTCGGA 21
|||||
Db 2974 TAGGGGACTCGGAGACTGTGA 2954

RESULT 15
US-10-027-632-112534/c
; Sequence 112534, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 Seconds  
(without alignments)  
310.678 Million cell updates/sec

Title: US-09-477-082-34

Perfect score: 21

Sequence: 1 cgtgtatctgcattcgaggcg 21

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*  
1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	15.4	73.3	50341	1	US-08-247-901C-1
C 2	15.4	73.3	50341	2	US-09-075-904-1
C 3	15.4	73.3	52297	3	US-09-426-436-1
C 4	15.4	73.3	52297	4	US-08-705-557-1
C 5	15.2	72.4	97	5	US-09-258-797-75
C 6	15.2	72.4	97	5	PCT-US96-09451-75
C 7	15.2	72.4	6250	1	US-08-729-214-23
C 8	15.2	72.4	6250	3	US-09-028-934-23
C 9	14.8	70.5	282	4	US-09-107-532A-2336
C 10	14.8	70.5	1989	2	US-08-792-055-1
C 11	14.8	70.5	7400	3	US-09-116-032-1
C 12	14.8	70.5	8050	3	US-09-491-362-11
C 13	14.8	70.5	8050	4	US-09-874-562-11
C 14	14.8	70.5	536165	4	US-09-214-808-1
C 15	14.8	70.5	4403765	3	US-09-103-840A-2
C 16	14.8	70.5	4403765	3	US-09-103-840A-2
C 17	14.8	70.5	4411529	3	US-09-103-840A-1
C 18	14.8	70.5	4411529	3	US-09-103-840A-1
C 19	14.6	69.5	1632	1	US-08-362-232-1
C 20	14.6	69.5	1632	1	US-08-814-196-1
C 21	14.6	69.5	2472	1	US-08-221-750A-2
C 22	14.6	69.5	7742	1	US-08-221-750A-1
C 23	14.6	69.5	10478	4	US-09-445-774-16
C 24	14.4	68.6	290	4	US-09-313-294A-619
C 25	14.4	68.6	10803	3	US-09-080-044-1
C 26	14.4	68.6	10803	4	US-09-531-857A-1
C 27	14.2	67.6	131	4	US-09-313-294A-3943

C 28	14.2	67.6	282	2	US-08-245-511-7	Sequence 7, Appli
C 29	14.2	67.6	282	2	US-08-600-983A-7	Sequence 7, Appli
C 30	14.2	67.6	471	4	US-09-621-376-2304	Sequence 204, Ap
C 31	14.2	67.6	473	4	US-09-221-017B-220	Sequence 200, App
C 32	14.2	67.6	495	4	US-09-252-991A-8016	Sequence 6016, Ap
C 33	14.2	67.6	510	4	US-09-621-376-407	Sequence 407, Appl
C 34	14.2	67.6	561	4	US-09-891-641-48	Sequence 48, Appl
C 35	14.2	67.6	600	4	US-09-252-991A-10375	Sequence 10375, A
C 36	14.2	67.6	642	4	US-09-252-991A-8071	Sequence 8071, Ap
C 37	14.2	67.6	651	4	US-09-252-991A-10257	Sequence 10257, A
C 38	14.2	67.6	708	4	US-09-134-000C-231	Sequence 231, App
C 39	14.2	67.6	930	4	US-09-252-991A-10471	Sequence 10471, A
C 40	14.2	67.6	1381	2	US-08-454-557C-49	Sequence 49, Appl
C 41	14.2	67.6	1381	2	US-08-340-426D-49	Sequence 49, Appl
C 42	14.2	67.6	1381	2	US-08-450-673C-49	Sequence 49, Appl
C 43	14.2	67.6	1381	5	PCT-US95-17111A-49	Sequence 49, Appl
C 44	14.2	67.6	1418	5	PCT-US95-17111A-120	Sequence 120, App
C 45	14.2	67.6	1442	2	US-08-454-557C-120	Sequence 120, App

ALIGNMENTS

RESULT 1

US-08-247-901C-1/C  
; Sequence 1, Application US/08247901C  
; Patent No. 5750384  
; GENERAL INFORMATION:  
; APPLICANT: Jacobs et al  
; TITLE OF INVENTION: L5 SHUTTLE PHASMIDS  
; NUMBER OF SEQUENCES: 1  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Amster, Rothstein & Ebenstein  
; STREET: 90 Park Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette  
; COMPUTER: IBM PC Compatible  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: Word Processor (ASCII)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/247,901C  
; FILING DATE: May 23, 1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/057,531  
; FILING DATE: April 29, 1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Bogosian, Elizabeth A  
; REGISTRATION NUMBER: 39,911  
; REFERENCE/DOCKET NUMBER: 96700/273  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 697-5995  
; TELEFAX: (212) 286-0854 or 286-0082  
; TELEX: TWX 710-581-4766  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 50341  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE:  
; DESCRIPTION: L5 shuttle phasmid sequence  
; HYPOTHETICAL: NO  
; ANTI-SENSE:  
; FRAGMENT TYPE:  
; ORIGINAL SOURCE:  
; ORGANISM: L5 mycobacteriophage  
; STRAIN:  
; INDIVIDUAL ISOLATE:

DEVELOPMENTAL STAGE:  
HAPLOTYPE:  
TISSUE TYPE:  
CELL TYPE:  
CELL LINE:  
ORGANELLE:  
IMMEDIATE SOURCE:  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT:  
FEATURE:  
NAME/KEY:  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION:  
PUBLICATION INFORMATION: No. 5750384e  
AUTHORS:  
TITLE:  
JOURNAL:  
VOLUME:  
PAGES:  
DATE:  
DOCUMENT NUMBER:  
FILING DATE:  
PUBLICATION DATE:  
RELEVANT RESIDUES IN SEQ ID NO:

Query Match 73.3%; Score 15.4; DB 1; Length 50341;  
Best Local Similarity 94.1%; Pred. No. 89;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GTATCTGCATTCGAGGC 20  
DB 22546 GTAGCTGCATTCGAGGC 22530

RESULT 2  
US-09-075-904-1/c  
Sequence 1, Application US/09075904

PATENT No. 5994137  
GENERAL INFORMATION:  
APPLICANT: Jacobs, et al.  
TITLE OF INVENTION: L5 SHUTTLE PHASMIDS  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Amster, Rothstein & Ebenstein  
STREET: 90 Park Avenue  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: Word Processor (ASCII)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/075,904  
FILING DATE: May 11, 1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/247,901  
FILING DATE: May 23, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Bogosian, Elizabeth A  
REGISTRATION NUMBER: 39,911  
REFERENCE/DOCKET NUMBER: 96700/475  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 697-5995  
TELEFAX: (212) 286-0854 or 286-0082  
TELEX: TWX 710-581-4766  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:

LENGTH: 50341  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: L5 shuttle phasmid sequence  
DESCRIPTION: No  
HYPOTHETICAL: No  
ANTI-SENSE:  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
ORGANISM: L5 mycobacteriophage

STRAIN:  
INDIVIDUAL ISOLATE:  
DEVELOPMENTAL STAGE:  
HAPLOTYPE:  
TISSUE TYPE:  
CELL TYPE:  
CELL LINE:  
ORGANELLE:  
IMMEDIATE SOURCE:  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT:  
FEATURE:  
NAME/KEY:  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION:  
PUBLICATION INFORMATION: No. 5994137e

AUTHORS:  
TITLE:  
JOURNAL:  
VOLUME:  
PAGES:  
DATE:  
DOCUMENT NUMBER:  
FILING DATE:  
PUBLICATION DATE:  
RELEVANT RESIDUES IN SEQ ID NO:

US-09-075-904-1  
Query Match 73.3%; Score 15.4; DB 2; Length 50341;  
Best Local Similarity 94.1%; Pred. No. 89;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GTATCTGCATTCGAGGC 20  
DB 22546 GTAGCTGCATTCGAGGC 22530

RESULT 3  
US-09-426-436-1/c  
Sequence 1, Application US/09426436  
PATENT No. 6225066  
GENERAL INFORMATION:  
APPLICANT: William R. Jacobs, Jr.  
APPLICANT: Barry R. Bloom  
APPLICANT: Graham F. Hatfull  
TITLE OF INVENTION: MYCOBACTERIAL SPECIES-SPECIFIC  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Amster, Rothstein & Ebenstein  
STREET: 90 Park Avenue  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: Word Processor (ASCII)  
CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/09/426,436
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/705,557
; FILING DATE:
; APPLICATION NUMBER: US/08/057,531
; FILING DATE:
; APPLICATION NUMBER: 07/833,431
; FILING DATE: February 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Pasqualini, Patricia A.
; REGISTRATION NUMBER: 34,894
; TELEPHONE: (212) 697-5995
; TELEFAX: (212) 286-0854 or 286-0082
; TELEFAX: TWX 710-581-4766
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 52297
; TYPE: nucleotide
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: phage genome sequence
; HYPOTHETICAL: no
; ANTI-SENSE: no
; FRAGMENT TYPE: not applicable.
; ORIGINAL SOURCE:
; ORGANISM: mycobacteriophage L5
; STRAIN: not applicable
; INDIVIDUAL ISOLATE: L5
; DEVELOPMENTAL STAGE: not applicable
; HAPLOTYPE: not applicable
; TISSUE TYPE: not applicable
; CELL TYPE: not applicable
; CELL LINE: not applicable
; ORGANELLE: not applicable
; IMMEDIATE SOURCE: mycobacteriophage L5 particles
; POSITION IN GENOME: entire genome
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; PUBLICATION INFORMATION:
; AUTHORS: Hatfull and Sarkis
; TITLE: DNA Sequence, Structure and Gene
; TITLE: Expression of Mycobacteriophage L5:
; TITLE: A Phage System for Mycobacterial
; TITLE: Genetics
; JOURNAL: Molecular Microbiology
; VOLUME: 7
; PAGES: 395-405
; DATE: 1993
; US-09-426-436-1

Query Match 73.3%; Score 15.4; DB 3; Length 52297;
Best Local Similarity 94.1%; Pred. No. 90;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GTATCTGCATTCGAGGC 20
Db 22443 GTAGCTGCATTCGAGGC 22427
|||||
|||||

RESULT 4
US-08-705-557-1/c
; Sequence 1, Application US/08705557
; Patent No. 6300061
; GENERAL INFORMATION:
; APPLICANT: William R. Jacobs, Jr.
; US-08-705-557-1
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; APPLICANT: Barry R. Bloom
; APPLICANT: Graham F. Hatfull
; TITLE OF INVENTION: MYCOBACTERIAL SPECIES-SPECIFIC
; TITLE OF INVENTION: REPORTER MICOBACTERIOPHAGES
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amster, Rothstein & Ebenstein
; STREET: 90 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Word Processor (ASCII)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/705,557
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/057,531
; FILING DATE:
; APPLICATION NUMBER: 07/833,431
; FILING DATE: February 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Pasqualini, Patricia A.
; REGISTRATION NUMBER: 34,894
; REFERENCE/DOCKET NUMBER: 96700/238
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 697-5995
; TELEFAX: (212) 286-0854 or 286-0082
; TELEFAX: TWX 710-581-4766
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 52297
; TYPE: nucleotide
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: phage genome sequence
; HYPOTHETICAL: no
; ANTI-SENSE: no
; FRAGMENT TYPE: not applicable.
; ORIGINAL SOURCE:
; ORGANISM: mycobacteriophage L5
; STRAIN: not applicable
; INDIVIDUAL ISOLATE: L5
; DEVELOPMENTAL STAGE: not applicable
; HAPLOTYPE: not applicable
; TISSUE TYPE: not applicable
; CELL TYPE: not applicable
; CELL LINE: not applicable
; ORGANELLE: not applicable
; IMMEDIATE SOURCE: mycobacteriophage L5 particles
; POSITION IN GENOME: entire genome
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; PUBLICATION INFORMATION:
; AUTHORS: Hatfull and Sarkis
; TITLE: DNA Sequence, Structure and Gene
; TITLE: Expression of Mycobacteriophage L5:
; TITLE: A Phage System for Mycobacterial
; TITLE: Genetics
; JOURNAL: Molecular Microbiology
; VOLUME: 7
; PAGES: 395-405
; DATE: 1993
; US-08-705-557-1
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Query Match 73.3%; Score 15.4; DB 4; Length 52297;  
Best Local Similarity 94.1%; Pred. No. 90;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GTATCTGCATTGCGGC 20  
DB 22443 GTAGCTGCAATTCGCGC 22427

## RESULT 5

US-09-258-797-75  
Sequence 75, Application US/09258797  
Patent No. 6183967  
GENERAL INFORMATION:  
APPLICANT: Jayasena, Sumedha  
APPLICANT: Larry Gold  
TITLE OF INVENTION: Nucleic Acid Ligand Inhibitors to DNA Polymerases  
FILE REFERENCE: NEX 43C/PCT-CIP  
CURRENT APPLICATION NUMBER: US/09/258,797  
CURRENT FILING DATE: 1999-03-01  
EARLIER APPLICATION NUMBER: 08/945,734  
EARLIER FILING DATE: 1997-10-28  
EARLIER APPLICATION NUMBER: 08/487,426  
EARLIER FILING DATE: 1995-06-07  
EARLIER APPLICATION NUMBER: 08/487,720  
EARLIER FILING DATE: 1995-06-07  
EARLIER APPLICATION NUMBER: 08/484,557  
EARLIER FILING DATE: 1995-06-07  
NUMBER OF SEQ ID NOS: 119  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 75  
LENGTH: 97  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
OTHER INFORMATION: Sequence  
US-09-258-797-75

Query Match 72.4%; Score 15.2; DB 3; Length 97;  
Best Local Similarity 85.0%; Pred. No. 38;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTGTATCTGCATTGCGGC 20  
DB 7 CGTGAATCTGAATTCGCGC 26

## RESULT 6

PCT-US96-09451-75  
Sequence 75, Application PC/TUS9609451  
GENERAL INFORMATION:  
APPLICANT: LARRY GOLD  
APPLICANT: SUMEDHA JAYASENA  
TITLE OF INVENTION: NUCLEIC ACID LIGAND INHIBITORS TO  
TITLE OF INVENTION: DNA POLYMERASES  
NUMBER OF SEQUENCES: 77  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Swanson and Bratschun, L.L.C.  
STREET: 8400 East Prentice Ave., Suite 200  
CITY: Denver  
STATE: Colorado  
COUNTRY: USA  
ZIP: 80111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WordPerfect 6.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/09451

FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/487,426  
FILING DATE: 7-JUNE-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/487,720  
FILING DATE: 7-JUNE-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/484,557  
FILING DATE: 7-JUNE-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Barry J. Swanson  
REGISTRATION NUMBER: 33,215  
REFERENCE/DOCKET NUMBER: NEX43C/PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (303) 793-3433  
TELEFAX: (303) 793-3433  
INFORMATION FOR SEQ ID NO: 75:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 97 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
PCT-US96-09451-75

Query Match 72.4%; Score 15.2; DB 5; Length 97;  
Best Local Similarity 85.0%; Pred. No. 38;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTGTATCTGCATTGCGGC 20  
DB 7 CGTGAATCTGAATTCGCGC 26

## RESULT 7

US-08-729-214-23  
Sequence 23, Application US/08729214  
Patent No. 5817502  
GENERAL INFORMATION:  
APPLICANT: Ligon, James M.  
APPLICANT: Hall, Dwight Steven  
APPLICANT: Ryals, John Andrew  
APPLICANT: Hammer, Phillip E.  
APPLICANT: van Pee, Karl-Heinz  
APPLICANT: Kirner, Sabine  
TITLE OF INVENTION: Genes for the synthesis of  
TITLE OF INVENTION: antipathogenic substances  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Ciba-Geigy Corporation  
STREET: 520 White Plains Road  
CITY: Tarrytown  
STATE: NY  
COUNTRY: USA  
ZIP: 10591  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/729,214  
FILING DATE: TEA  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Meigs, J. Timothy  
REGISTRATION NUMBER: 38,241  
REFERENCE/DOCKET NUMBER: CGC 1506/CIP5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 919-541-8587  
TELEFAX: 919-541-8689



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/ INFORMATION FOR SEQ ID NO: 23:
/ SEQUENCE CHARACTERISTICS:
/   LENGTH: 6250 base pairs
/   TYPE: nucleic acid
/   STRANDEDNESS: single
/   TOPOLOGY: linear
/   MOLECULE TYPE: DNA (genomic)
/   HYPOTHETICAL: NO
/   FEATURE:
/     NAME/KEY: CDS
/     LOCATION: 615..2228
/     OTHER INFORMATION: /label= ORF1
/     OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"
/   FEATURE:
/     NAME/KEY: CDS
/     LOCATION: 2231..3313
/     OTHER INFORMATION: /label= ORF2
/     OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"
/   FEATURE:
/     NAME/KEY: CDS
/     LOCATION: 3368..5065
/     OTHER INFORMATION: /label= ORF3
/     OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"
/   FEATURE:
/     NAME/KEY: CDS
/     LOCATION: 5093..6202
/     OTHER INFORMATION: /label= ORF4
/     OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"
/ US-08-729-214-23
/
/ Query Match 72.4%; Score 15.2; DB 1; Length 6250;
/ Best Local Similarity 85.0%; Pred. No. 79;
/ Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
/
/ QY 1 CGGTATCTGCATTCGAGGC 20
/   |||||
/ Db 2249 CGGTATCGCATTCGAGGC 2268
/
/ RESULT 8
/ US-09-028-934-23
/ Sequence 23 Application US/09028934
/ Patent No. 6117670
/ GENERAL INFORMATION:
/ APPLICANT: Ligon, James M.
/ APPLICANT: Hill, Dwight S.
/ APPLICANT: Lam, Steven T.
/ APPLICANT: Hammer, Philip E.
/ APPLICANT: van Pee, Karl-Heinz
/ APPLICANT: Kirner, Sabine
/ APPLICANT: Young, Thomas R.
/ TITLE OF INVENTION: Pyroclonitrin Biosynthesis Genes and Uses
/ NUMBER OF SEQUENCES: 37
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: No. 6117670artis Corporation
/ STREET: 3054 Cornwallis Road
/ CITY: Research Triangle Park
/ STATE: NC
/ COUNTRY: USA
/ ZIP: 27709
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/028,934
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/729,214
/ FILING DATE: 09-OCT-1996
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/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/258,261
/ FILING DATE: 08-JUN-1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meigs, J. Timothy
/ REGISTRATION NUMBER: 38,241
/ REFERENCE/DOCKET NUMBER: CGC1506/CIP7
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 919-541-8587
/ TELEFAX: 919-541-8689
/ INFORMATION FOR SEQ ID NO: 23:
/ SEQUENCE CHARACTERISTICS:
/   LENGTH: 6250 base pairs
/   TYPE: nucleic acid
/   STRANDEDNESS: single
/   TOPOLOGY: linear
/   MOLECULE TYPE: DNA (genomic)
/   HYPOTHETICAL: NO
/   FEATURE:
/     NAME/KEY: CDS
/     LOCATION: 615..2228
/     OTHER INFORMATION: /product= "PrnA"
/     FEATURE:
/     NAME/KEY: CDS
/     LOCATION: 2231..3313
/     OTHER INFORMATION: /product= "PrnB"
/     FEATURE:
/     NAME/KEY: CDS
/     LOCATION: 3368..5065
/     OTHER INFORMATION: /product= "PrnC"
/     FEATURE:
/     NAME/KEY: CDS
/     LOCATION: 5093..6202
/     OTHER INFORMATION: /product= "PrnD"
/ US-09-028-934-23
/
/ Query Match 72.4%; Score 15.2; DB 3; Length 6250;
/ Best Local Similarity 85.0%; Pred. No. 79;
/ Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
/
/ QY 1 CGGTATCTGCATTCGAGGC 20
/   |||||
/ Db 2249 CGGTATCGCATTCGAGGC 2268
/
/ RESULT 9
/ US-09-107-532A-2336
/ Sequence 2336, Application US/09107532A
/ Patent No. 6583275
/ GENERAL INFORMATION:
/ APPLICANT: Lynn A Doucette-Stamm and David Bush
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
/ ENTEROCOCCUS FARCIUM FOR DIAGNOSTICS AND THERAPEUTICS
/ NUMBER OF SEQUENCES: 7310
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: GENOME THERAPEUTICS CORPORATION
/ STREET: 100 Beaver Street
/ CITY: Waltham
/ STATE: Massachusetts
/ COUNTRY: USA
/ ZIP: 02354
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: CD-ROM ISO9660
/ COMPUTER: PC
/ OPERATING SYSTEM: <Unknown>
/ SOFTWARE: ASCII
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/107,532A
/ FILING DATE: 30-Jun-1998
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/085,598
/ FILING DATE: 14 May 1998
/ APPLICATION NUMBER: 60/051571
```

FILING DATE: July 2, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Ariniello, Pamela Deneke  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-012  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781)993-5007  
TELEFAX: (781)993-8277  
INFORMATION FOR SEQ ID NO: 2336:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 282 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Enterococcus faecium  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (B) LOCATION 1..282  
SEQUENCE DESCRIPTION: SEQ ID NO: 2336:  
US-09-107-532A-2336

Query Match 70.5%; Score 14.8; DB 4; Length 282;  
Best Local Similarity 88.9%; Pred. No. 76;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGTGATCTGATTCGAG 18  
DB 205 CCGTATCTGATTCGAG 222

RESULT 10  
US-08-792-055-1  
; Sequence 1, Application US/08792055  
; Patent No. 5853980  
; GENERAL INFORMATION:  
; APPLICANT: Rollin, Pierre E.  
; APPLICANT: Elliott, Luane G.  
; APPLICANT: Ksiazek, Thomas G.  
; APPLICANT: Nichol, Stuart T.  
; APPLICANT: Morzunov, Sergey  
; APPLICANT: Ravkov, Eugeny  
; TITLE OF INVENTION: The Black Creek Canal Hantavirus and  
; TITLE OF INVENTION: Related Methods  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
; STREET: 127 Peachtree Street, N.E., Suite 1200  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30303  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patcin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/792,055  
; FILING DATE: 03-FEB-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/390,361  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Spratt, Gwendolyn D.  
; REGISTRATION NUMBER: 36,016  
; REFERENCE/DOCKET NUMBER: 1414.622  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404) 688-0770

TELEFAX: (404) 688-9880  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1989 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; US-08-792-055-1

Query Match 70.5%; Score 14.8; DB 2; Length 1989;  
Best Local Similarity 88.9%; Pred. No. 1.1e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TGTATCTGATTCGAGGC 20  
DB 192 TGTGTCGATTCGAGGC 209

RESULT 11  
US-09-116-032-1/c  
; Sequence 1, Application US/09116032  
; Patent No. 6200576  
; GENERAL INFORMATION:  
; APPLICANT: HWONG, CHING LONG  
; APPLICANT: LO, CHENG-KAI  
; APPLICANT: YANG, YING-CHUAN  
; APPLICANT: JENG, KING-SONG  
; APPLICANT: CHANG, EDWARD L.  
; APPLICANT: DEVELOPMENT CENTER FOR BIOTECHNOLOGY  
; TITLE OF INVENTION: SWINE VESICULAR DISEASE VIRUS AND MUTANT STRAINS AND  
; TITLE OF INVENTION: PREPARATION PROCESS AND USE THEREOF  
; FILE REFERENCE: 9751.79US01  
; CURRENT APPLICATION NUMBER: US/09/116,032  
; CURRENT FILING DATE: 1998-07-15  
; EARLIER APPLICATION NUMBER: CHINA 86105814  
; EARLIER FILING DATE: 1997-05-01  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 1  
; TYPE: DNA  
; LENGTH: 7400  
; ORGANISM: SWINE VESICULAR DISEASE VIRUS  
; US-09-116-032-1

Query Match 70.5%; Score 14.8; DB 3; Length 7400;  
Best Local Similarity 88.9%; Pred. No. 1.4e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 GTATCTGATTCGAGGC 21  
DB 2993 GTATCGATTCGAGGC 2976

RESULT 12  
US-09-491-362-11/c  
; Sequence 11, Application US/09491362  
; Patent No. 6281017  
; GENERAL INFORMATION:  
; APPLICANT: Croteau, Rodney B  
; APPLICANT: Lange, Bernd M  
; TITLE OF INVENTION: 1-DEOXY-D-XYLULOSE-5-PHOSPHATE REDUCTOISOMERASE, AND  
; TITLE OF INVENTION: METHODS OF USE  
; FILE REFERENCE: WSUR14977  
; CURRENT APPLICATION NUMBER: US/09/491,362  
; CURRENT FILING DATE: 2000-01-26  
; EARLIER APPLICATION NUMBER: 60/118,349  
; EARLIER FILING DATE: 1999-02-03  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 8050  
; TYPE: DNA

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; ORGANISM: Arabidopsis thaliana
US-09-491-362-11

Query Match          70.5%; Score 14.8; DB 3; Length 8050;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GTGATCTGCATTCGAGG 19
Db 6843 GTGTAATTCATTCGAGG 6826

RESULT 13
US-09-874-562-11/c
; Sequence 11, Application US/09874562
; Patent No. 6420159
; GENERAL INFORMATION:
; APPLICANT: Croteau, Rodney B
; APPLICANT: Lange, Bernd M
; TITLE OF INVENTION: 1-DEOXY-D-XYLULOSE-5-PHOSPHATE REDUCTOISOMERASE, AND
; FILE REFERENCE: WSUR17549
; CURRENT APPLICATION NUMBER: US/09/874,562
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 09/491,362
; PRIOR FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: 60/118,349
; PRIOR FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 8050
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-874-562-11

Query Match          70.5%; Score 14.8; DB 4; Length 8050;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GTGATCTGCATTCGAGG 19
Db 6843 GTGTAATTCATTCGAGG 6826

RESULT 14
US-09-214-808-1/c
; Sequence 1, Application US/09214808A
; Patent No. 6475793
; GENERAL INFORMATION:
; APPLICANT: Rosenthal, Andre
; APPLICANT: Freiberg, Christoph
; APPLICANT: Perret, Xavier Philippe
; APPLICANT: Broughton, William John
; TITLE OF INVENTION: Genomic Sequence of Rhizobium SP. NGR 234 Symbiotic
; Patent No. 6475793
; TITLE OF INVENTION: Plasmid
; FILE REFERENCE: CARP0068
; CURRENT APPLICATION NUMBER: US/09/214,808A
; CURRENT FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: PCT/IB97/00950
; PRIOR FILING DATE: 1997-07-10
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 536165
; TYPE: DNA
; ORGANISM: Rhizobium
US-09-214-808-1

Query Match          70.5%; Score 14.8; DB 4; Length 536165;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 4 GTATCTGCATTCGAGGCG 21
Db 403580 GCATCTGCATTCGATGCG 403563

RESULT 15
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: TUBERCULOSIS
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2

Query Match          70.5%; Score 14.8; DB 3; Length 4403765;
Best Local Similarity 88.9%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TGTATCTGCATTCGAGGC 20
Db 1463654 TCTATCTGCATTCGCGGC 1463671

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 187.076 Seconds  
(without alignments)  
566.594 Million cell updates/sec

Title: US-09-477-082-34

Perfect score: 21

Sequence: 1 cgtgtatctgcattcgaggcg 21

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3327077 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:  
4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:  
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8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:  
9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq:  
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14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq:  
15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:  
16: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq:  
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18: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:  
19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 2	16.4	78.1	637	16	Sequence 242218,
C 3	16.4	78.1	710	13	US-10-027-632-242218
C 4	16.4	78.1	710	13	Sequence 242218,
C 5	16.4	78.1	710	13	Sequence 11465, A
C 6	16.4	78.1	710	16	US-10-027-632-144092
C 7	16.2	77.1	1296	16	Sequence 144092,
C 8	16.2	77.1	1402	13	Sequence 11465, A
C 9	16.2	77.1	2284	15	US-10-027-632-144092
C 10	15.8	75.2	25	15	Sequence 144092,
C 11	15.8	75.2	540	17	US-10-027-632-11465
C 12	15.8	75.2	1360	16	US-10-027-632-144092
C 13	15.8	75.2	1413	16	Sequence 144092,
C 14	15.8	75.2	7396	10	US-10-027-632-11465

Sequence 52, Appl  
Sequence 596, App  
Sequence 25900, A  
Sequence 135233,  
Sequence 135233,  
Sequence 2066, Ap  
Sequence 9388, Ap  
Sequence 114171,  
Sequence 12087, A  
Sequence 12087, A  
Sequence 14331, A  
Sequence 588, App  
Sequence 280, App  
Sequence 804, App  
Sequence 17043, A  
Sequence 65362, A  
Sequence 64185, A  
Sequence 13831, A  
Sequence 89411, A  
Sequence 41292, A  
Sequence 34290, A  
Sequence 4246, A  
Sequence 31485, A  
Sequence 96, Appl  
Sequence 77630, A  
Sequence 538, App  
Sequence 7, Appl  
Sequence 721, App  
Sequence 174961,  
Sequence 174961,  
Sequence 174961,

#### ALIGNMENTS

RESULT 1  
US-10-027-632-242218/c  
; Sequence 242218, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Waig, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 242218  
; LENGTH: 637  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-242218

Query Match 78.1%; Score 16.4; DB 13; Length 637;  
Best Local Similarity 94.4%; Pred. No. 1.9e-02;  
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGTGATCTGCATTGAG 18  
Db 201 CGTGATCTGCATTGAG 184

## RESULT 2

US-10-027-632-242218/c  
; Sequence 242218, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: Fast-SEQ for Windows Version 4.0  
; SEQ ID NO 242218  
; LENGTH: 637  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-242218

Query Match 78.1%; Score 16.4; DB 16; Length 637;  
Best Local Similarity 94.4%; Pred. No. 1.9e+02;  
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGTGATCTGCATTGAG 18  
Db 201 CGTGATCTGCATTGAG 184

## RESULT 3

US-10-027-632-11465/c  
; Sequence 11465, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720

; SOFTWARE: Fast-SEQ for Windows Version 4.0  
; SEQ ID NO 11465  
; LENGTH: 710  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-11465

Query Match 78.1%; Score 16.4; DB 13; Length 710;  
Best Local Similarity 94.4%; Pred. No. 1.9e+02;  
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TGTATCTGCATTGAGGC 20  
Db 284 TGTATCTGCATTGAGGC 267

## RESULT 4

US-10-027-632-144092/c  
; Sequence 144092, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: Fast-SEQ for Windows Version 4.0  
; SEQ ID NO 144092  
; LENGTH: 710  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-144092

Query Match 78.1%; Score 16.4; DB 13; Length 710;  
Best Local Similarity 94.4%; Pred. No. 1.9e+02;  
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TGTATCTGCATTGAGGC 20  
Db 284 TGTATCTGCATTGAGGC 267

## RESULT 5

US-10-027-632-11465/c  
; Sequence 11465, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20

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; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11465
; LENGTH: 710
; TYPE: DNA
; ORGANISM: Human
; ORGANISM: Human
US-10-027-632-11465

Query Match      78.1%; Score 16.4; DB 16; Length 710;
Best Local Similarity 94.4%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TGTATCTGCATTCGAGGC 20
Db 284 TGCATCTGCATTCGAGGC 267

RESULT 6
US-10-027-632-144092/c
; Sequence 144092, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 168827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 144092
; LENGTH: 710
; TYPE: DNA
; ORGANISM: Human
; ORGANISM: Human
US-10-027-632-144092

Query Match      78.1%; Score 16.4; DB 16; Length 710;
Best Local Similarity 94.4%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TGTATCTGCATTCGAGGC 20
Db 284 TGCATCTGCATTCGAGGC 267

RESULT 7
US-10-369-493-32260
; Sequence 32260, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 168827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 144092
; LENGTH: 710
; TYPE: DNA
; ORGANISM: Human
; ORGANISM: Human
US-10-027-632-144092

Query Match      78.1%; Score 16.4; DB 16; Length 710;
Best Local Similarity 94.4%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TGTATCTGCATTCGAGGC 20
Db 284 TGCATCTGCATTCGAGGC 267

RESULT 8
US-10-425-114-13447/c
; Sequence 13447, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 13447
; LENGTH: 1402
; TYPE: DNA
; ORGANISM: Zea mays
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: JC-ZMSHLIB3569P023C06_FLI
US-10-425-114-13447

Query Match      77.1%; Score 16.2; DB 13; Length 1402;
Best Local Similarity 85.7%; Pred. No. 2.6e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CGTGTATCTGCATTCGAGGC 21
Db 969 CGTGTATCTGCATTCGAGGC 949

RESULT 9
US-10-335-697A-15
; Sequence 15, Application US/10335687A
; Publication No. US20030166222A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Millennium Pharmaceuticals, Inc.
; TITLE OF INVENTION: 39267, Human Kinase Family Members and
; Uses Thereof
; FILE REFERENCE: MPI02-001FIRNM
; FILE REFERENCE: MPI02-001FIRNM
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; CURRENT APPLICATION NUMBER: US/10/335,687A  
; CURRENT FILING DATE: 2003-01-02  
; PRIOR APPLICATION NUMBER: 60/345,773  
; PRIOR FILING DATE: 2002-01-02  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 15  
; LENGTH: 2284  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (2)...(1699)  
US-10-335-687A-15

Query Match 77.1%; Score 16.2; DB 15; Length 2284;  
Best Local Similarity 85.7%; Pred. No. 2.7e+02;  
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTGATCTGCATTCGAGCG 21  
|||  
Db 3 CGTGATCTGCATTCGAGCG 23

RESULT 10  
US-10-098-263B-4315/c  
; Sequence 4315, Application US/10098263B  
; Publication No. US20030104410A1  
; GENERAL INFORMATION:  
; APPLICANT: Mittman, Michael  
; TITLE OF INVENTION: Human Microarray  
; FILE REFERENCE: 3118.1  
; CURRENT APPLICATION NUMBER: US/10/098,263B  
; CURRENT FILING DATE: 2003-01-08  
; PRIOR APPLICATION NUMBER: 60/276,759  
; PRIOR FILING DATE: 2001-03-16  
; NUMBER OF SEQ ID NOS: 131066  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 4315  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-10-098-263B-4315

Query Match 75.2%; Score 15.8; DB 15; Length 25;  
Best Local Similarity 89.5%; Pred. No. 3.1e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGTGATCTGCATTCGAGG 19  
|||  
Db 22 CGTGATCTGCATTCGAGG 4

RESULT 11  
US-10-437-963-55853  
; Sequence 55853, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(S3221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 55853

; LENGTH: 540  
; TYPE: DNA  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_57820C.1  
US-10-437-963-55853

Query Match 75.2%; Score 15.8; DB 17; Length 540;  
Best Local Similarity 89.5%; Pred. No. 3.9e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGTGATCTGCATTCGAGG 19  
|||  
Db 49 CATGGATCTGCATTCGAGG 67

RESULT 12  
US-10-062-674-1535  
; Sequence 1535, Application US/10062674  
; Publication No. US20040005559A1  
; GENERAL INFORMATION:  
; APPLICANT: Loiring, Jeanne F.; Kaser, Matthew R.  
; TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS  
; FILE REFERENCE: PA-0026-1 CIP  
; CURRENT APPLICATION NUMBER: US/10/062,674  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: US 09/625,102  
; PRIOR FILING DATE: 2000-07-24  
; NUMBER OF SEQ ID NOS: 2217  
; SOFTWARE: PERL Program  
; SEQ ID NO 1535  
; LENGTH: 1360  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. US20040005559A1 118726.1  
US-10-062-674-1535

Query Match 75.2%; Score 15.8; DB 16; Length 1360;  
Best Local Similarity 89.5%; Pred. No. 4.1e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GTGTATCTGCATTCGAGC 20  
|||  
Db 105 GTGTATCTGCATTCGAGC 123

RESULT 13  
US-10-369-493-25104/c  
; Sequence 25104, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; CURRENT FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 25104  
; LENGTH: 4143  
; TYPE: DNA  
; ORGANISM: Saccharomyces cerevisiae  
US-10-369-493-25104

Query Match 75.2%; Score 15.8; DB 16; Length 4143;



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Best Local Similarity 89.5%; Pred. NO. 4.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TGTATCTGCATTCGAGCG 21
    |||||
Db 2712 TGTATCTGTATTAGAGCG 2694

RESULT 14
US-09-738-630-52
; Sequence 52, Application US/09738630
; Publication No. US20030168213A1
; GENERAL INFORMATION:
; APPLICANT: Greenspan, Ralph J.
; APPLICANT: Shaw, Paul J.
; TITLE OF INVENTION: Methods For Identifying Compounds That
; TITLE OF INVENTION: Modulate Disorders Related To Nitric Oxide/cGMP-Dependent
; TITLE OF INVENTION: Protein Kinase Signaling
; FILE REFERENCE: P-NI 3906
; CURRENT APPLICATION NUMBER: US/09/738,630
; CURRENT FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 7396
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-738-630-52

Query Match 75.2%; Score 15.8; DB 10; Length 7396;
Best Local Similarity 89.5%; Pred. NO. 4.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TGTATCTGCATTCGAGCG 21
    |||||
Db 1292 TGTAGCTGCATTCGAAGCG 1310

RESULT 15
US-10-322-696-52
; Sequence 52, Application US/10322696
; Publication No. US20040168490A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Malandro, Marc
; TITLE OF INVENTION: NOVEL THERAPEUTIC TARGETS IN CANCER
; FILE REFERENCE: 529452001200
; CURRENT APPLICATION NUMBER: US/10/322,696
; CURRENT FILING DATE: 2003-10-17
; NUMBER OF SEQ ID NOS: 186
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 337022
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(337022)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-696-52

Query Match 75.2%; Score 15.8; DB 17; Length 337022;
Best Local Similarity 89.5%; Pred. NO. 6.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GTGTATCTGCATTCGAGCG 20
    |||||
Db 99903 GTGTATCTGCATTCGAGCG 99921

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Job time : 198.076 secs
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